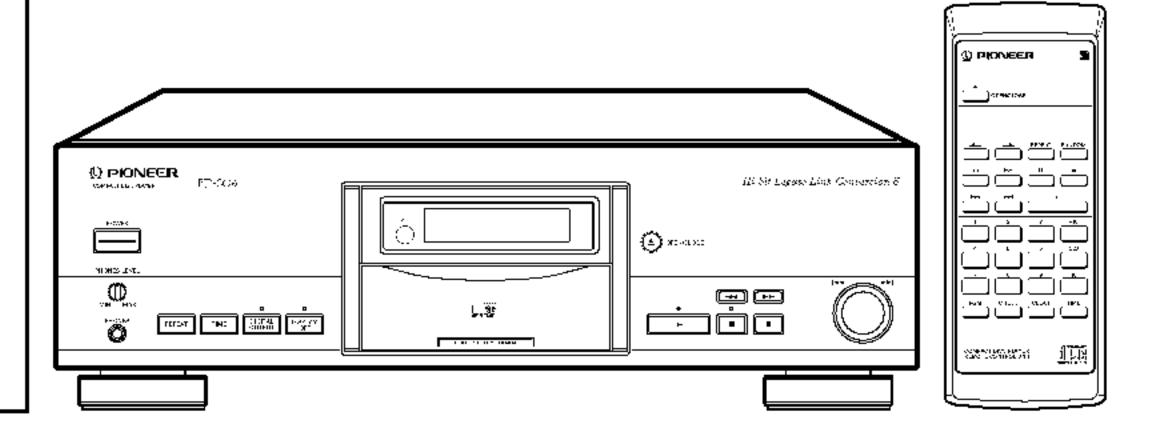
(PIONEER® The Art of Entertainment

Service Manual



ORDER NO. RRV1837

PID-SOME PLAYER PRODUCTION OF THE PRODUCTION OF

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Туре	Model	Power Requirement	The voltage can be converted by the following method.				
. , , ,	PD-S06	1 Owen Hequirement	The voltage can be converted by the following inethol				
MY	0	AC220-230V					

CONTENTS

1. SAFETY INFORMATION2	7. GENERAL INFORMATION 42
2. EXPLODED VIEWS AND PARTS LIST 3	7.1 DISPLAY 42
3. SCHEMATIC DIAGRAM	7.2 BLOCK DIAGRAM 43
4. PCB CONNECTION DIAGRAM20	8. PANEL FACILITIES AND SPECIFICATIONS
5. PCB PARTS LIST 34	
6 ADJUSTMENT 37	

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan

PIONEER ELECTRONICS SERVICE, INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.

PIONEER ELECTRONIC (EUROPE) N.V. Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium

PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 501 Orchard Road, #10-00 Lane Crawford Place, Singapore 0923

© PIONEER ELECTRONIC CORPORATION 1997

T-KZR AUG. 1997 Printed in Belgium

1. SAFETY INFORMATION

⊢VARO!

AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHED SAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

─ VARNING!

OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.



LASER
Kuva 1
Lasersateilyn
varoitusmerkki

WARNING!

DEVICE INCLUDES LASER DIODE WHICH EMITS INVISIBLE INFRARED RADIATION WHICH IS DANGEROUS TO EYES. THERE IS A WARNING SIGN ACCORDING TO PICTURE 1 INSIDE THE DEVICE CLOSE TO THE LASER DIODE.

IMPORTANT —

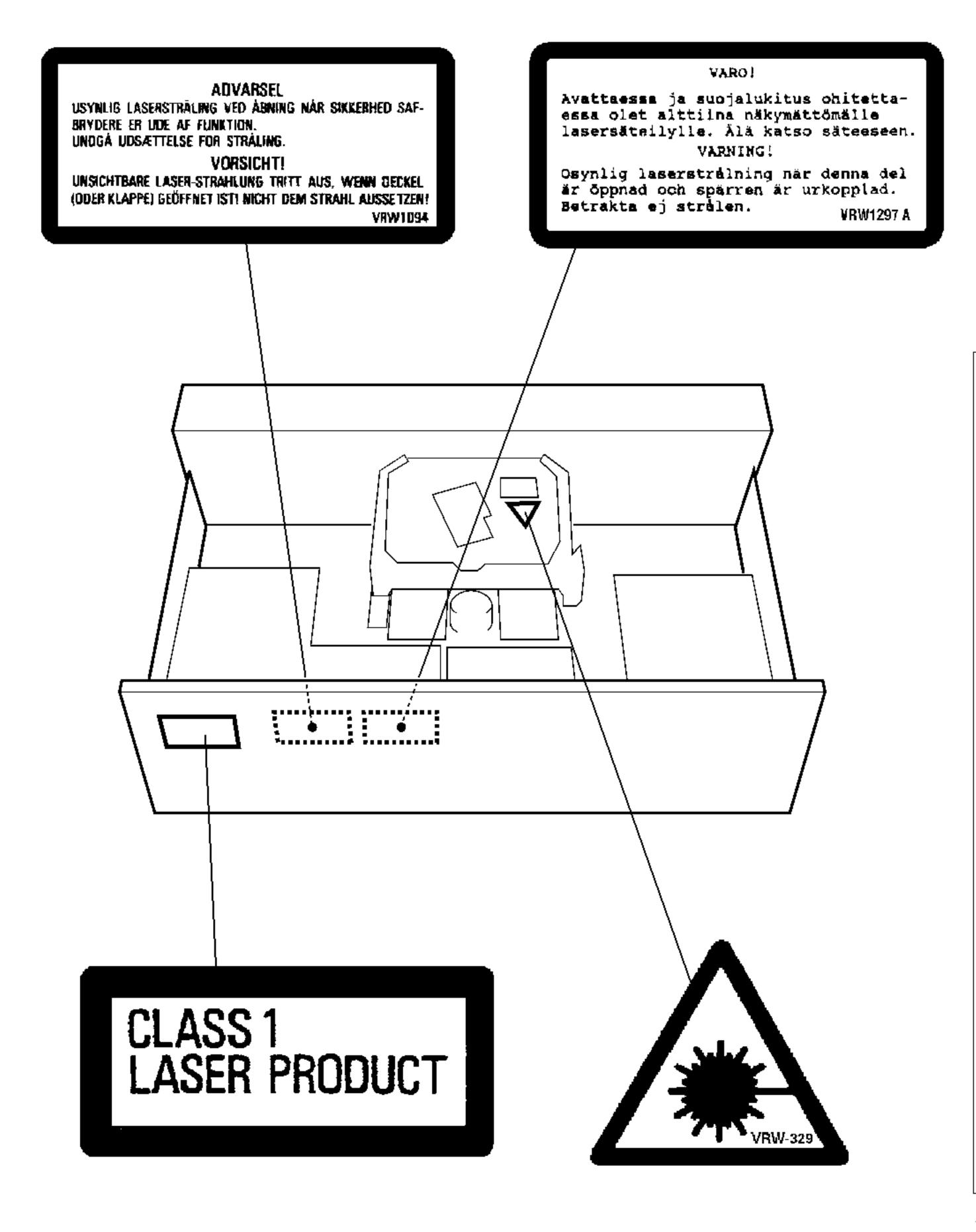
THIS PIONEER APPARATUS CONTAINS LASER OF CLASS 1.
SERVICING OPERATION OF THE APPARATUS SHOULD BE DONE BY A SPECIALLY INSTRUTED PERSON.

——— LASER DIODE CHARACTERISTICS — MAXIMUM OUTPUT POWER: 5 mw WAVELENGTH: 780 – 785 nm



LASER
Picture 1
Warning sign for laser radiation

LABEL CHECK



Additional Laser Caution

1. Laser Interlock Mechanism

The position of the switch (S601) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S601) is not on CLMP terminal side (CLMP signal is OFF or high level.). Thus, the interlock will no longer function if the switch (S601) is deliberately set to CLMP terminal side (low level).

The interlock also does not function in the test mode*. Laser diode oscillation will continue, if pin 1 of M51593FP (IC101) on the PRE-AMP BOARD ASSY mounted on the pickup assembly is connected to GND, or pin 19 is connected to low level (ON), or else the terminals of Q101 are shorted to each other (fault condition).

2. When the cover is opened with the servo mechanism block removed and turned over, close viewing of the objective lens with the naked eye will cause exposure to a Class 1 laser beam.

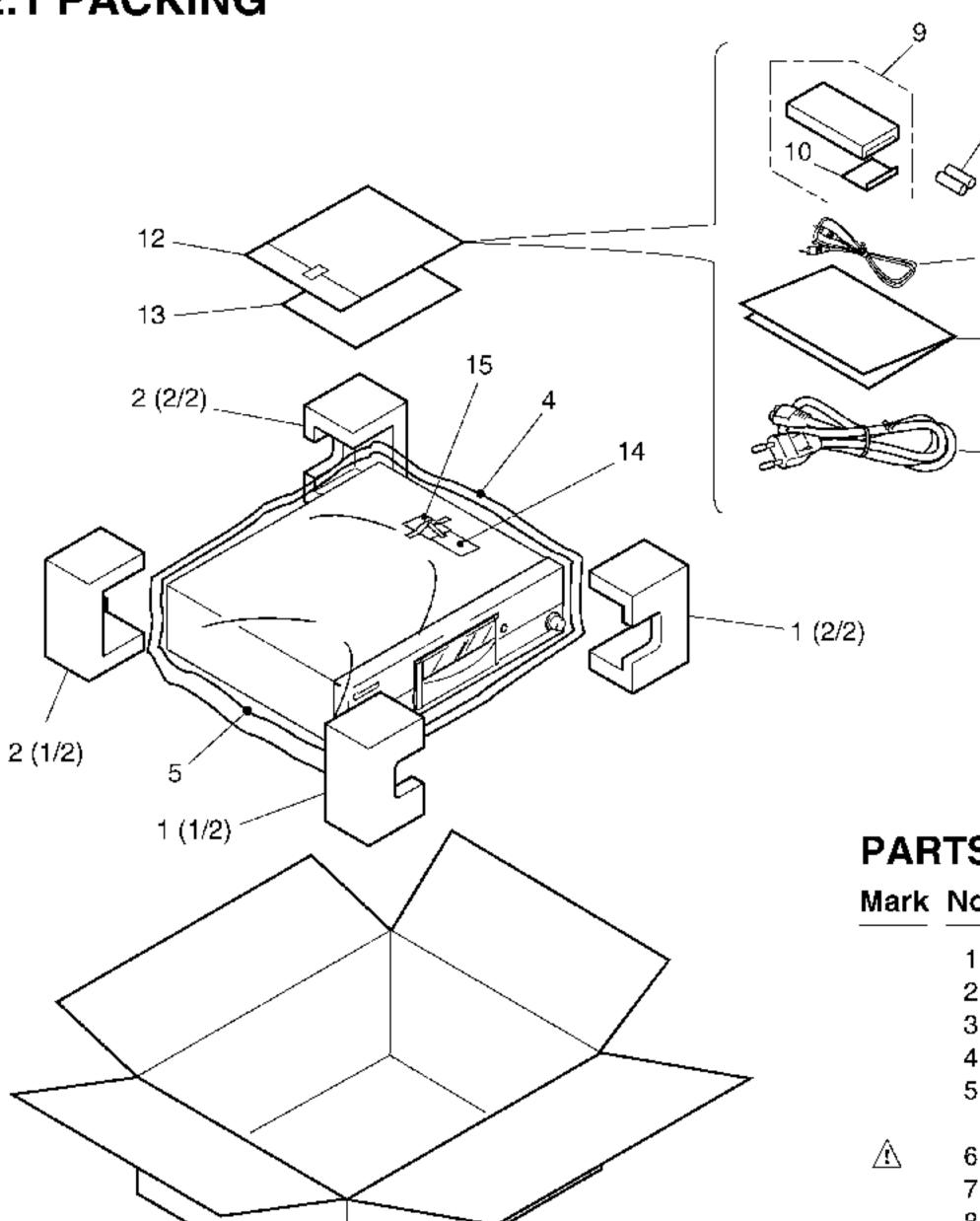
^{*} Refer to page 38.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

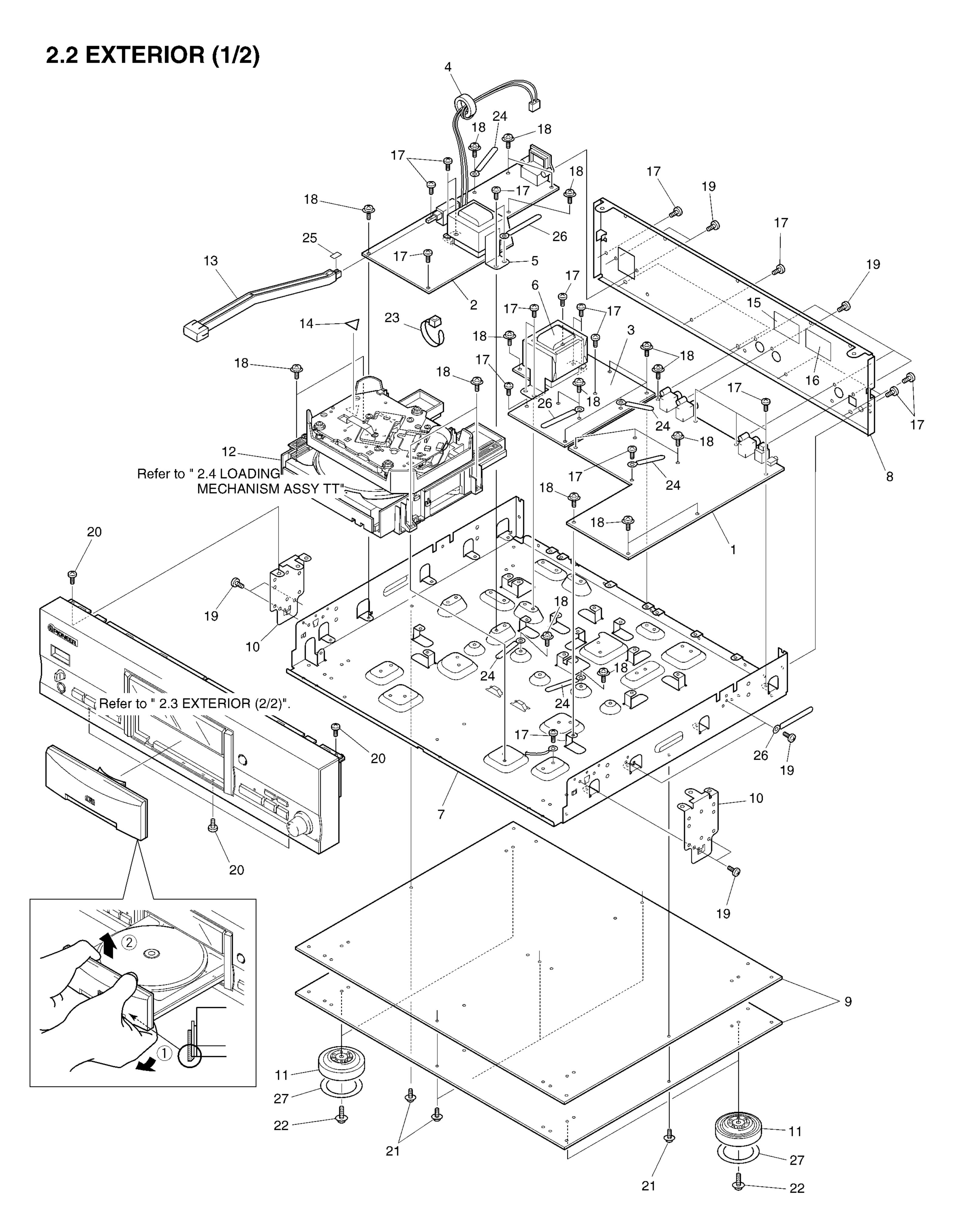
- The
 <u>↑</u> mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to ▼ mark on the product are used for disassembly.

2.1 PACKING



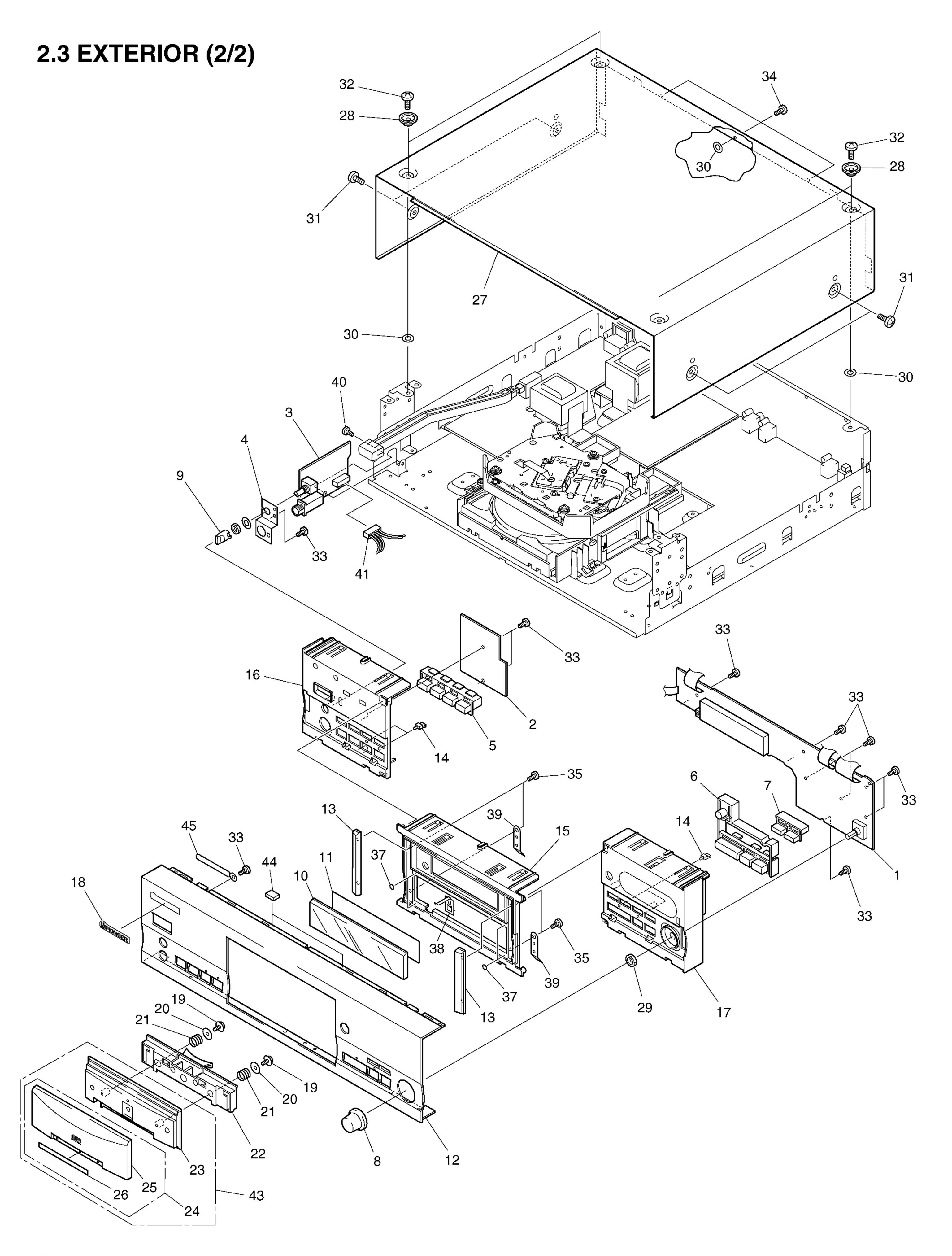
PARTS LIST

Mark	No.	Description	Parts No.
	1	Styrol Protector F	PHA1319
	2	Styrol Protector R	PHA1320
	3	Packing Case S06	PHG2272
	4	Vinyl Bag	PHL1087
	5	Seat $(750 \times 600 \times 0.5)$	Z23-007
À	6	AC Power Cord	ADG1127
	7	Output Cable (L=1.2 m)	PDE1003
	8	Operating Instructions	PRE1263
		(English/ French/ German/ Italia Dutch/ Swedish/ Spanish/ Por	
	9	Remote Control Unit	PWW1115
NSP	10	Battry Cover	PZN1103
NSP	11	Dry Cell Battery (R03, AAA)	VEM-022
	12	Polyethylene Bag $(0.03 \times 230 \times 340)$	Z21-038
NSP	13	Warranty Card	ARY7008
NSP	14	Caution SG	ARR7013
NSP	15	Silica Gel	AEN7001



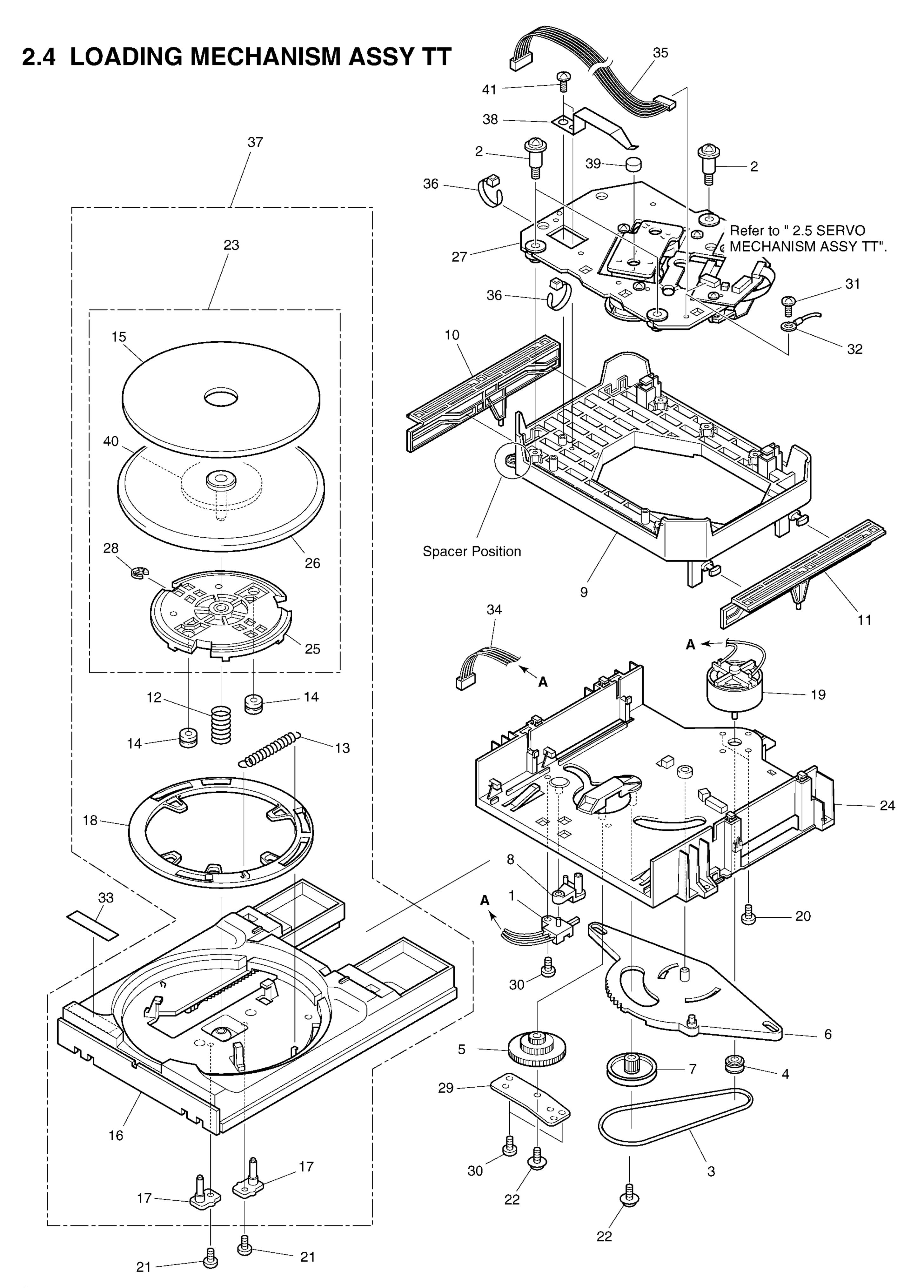
PARTS LIST

Mark	No.	Description	Parts No.
	1	Main Board Assy	PWZ3500
	2	Servo Power Board Assy	PWZ3509
	3	Analog Power Board Assy	PWZ3516
/î\	4	Ferrite Core	PTH1018
<u>^</u>	5	Power Transformer	PTT1242
<u>/f\</u>	6	Power Transformer (AUDIO)	PTT1336
NSP	7	Under Base	PNA2373
	8	Rear Base S06	PNA2374
NSP	9	Bottom Plate	PNA2376
NSP	10	Side Angle	PNB1583
	11	Insulator	PNW2766
NSP	12	Loading Mechanism Assy TT	PXA1598
	13	Power Knob G	PAC1852
	14	Caution Label (G)	VRW-329
	15	Caution Label	VRW1094
NSP	16	Caution Label HE	VRW1297
	17	Screw (3×6)	ABA1207
	18	Screw	ABA1011
	19	Screw	BBZ30P080FCC
	20	Screw	BBT30P080FCC
	21	Screw	IBZ30P080FCC
	22	Screw	IBZ30P120FCC
	23	Binder	Z09-056
NSP	24	Cord Stopper	DNF1128
NSP	25	Tape	PNM1249
	26	Cord Clamper	RNH-184
	27	Cushion 55	PNM1316



PARTS LIST

Mark	No.	Description	Parts No.	Mark No.	Description	Parts No.
	1	Display Board Assy	PWZ3526	31	Screw	FBT40P080FNI
NSP	2	Function Board Assy	PWZ3532	32	Screw	BBZ40P080FNI
NSP	3	Phone Board Assy	PWZ3538	33	Screw	PPZ30P080FMC
	4	H.P. Angle	PNB1582	34	Screw	BBZ30P080FCC
	5	Mode Button S06	PAC1848	35	Screw	BMZ30P050FMC
	6	Play Button G	PAC1850	36		
	7	Manual Button G	PAC1854	37	Tray Cushion	PNM1313
	8	Track Knob S06	PAC1855	38	Earth Plate T	PBK1149
	9	Headphone Knob G	PAC1862	39	Earth Plate S	PBK1150
	10	Display Window G	PAM1736	40	Screw	IBZ30P060FMC
	11	FL Sheet White	PAM1737	41	Connector Assy 5P	PDE1291
	12	Front Panel S06	PAN1357	42		
	13	Side Sash G	PAN1362	43	Panel Assy S06	PEA1345
	14	LED Lens	PNW2745	44	Spacer 4t	PEB1299
	15	Panel CDG	PNW2750	45	Cord Stopper	RNH-184
	16	Panel LG	PNW2751			
	17	Panel RG	PNW2752			
	18	Name Plate	VAM1051			
	19	Screw	PBA1096			
	20	Washer	PBE1010			
	21	Damping Spring	PBH1223			
	22	Tray Holder	PNW2753			
NSP	23	Tray Panel Holder	PNW2754			
	24	Tray Panel Assy S06	PXA1602			
NSP	25	Tray Panel G	PAN1355			
NSP	26	Tray Badge S06	PAN1358			
	27	Bonnet Case	PYY1226			
	28	Calor	RAT1002			
	29	Nut	NK90FCU			
	30	Spacer	PEC1034			

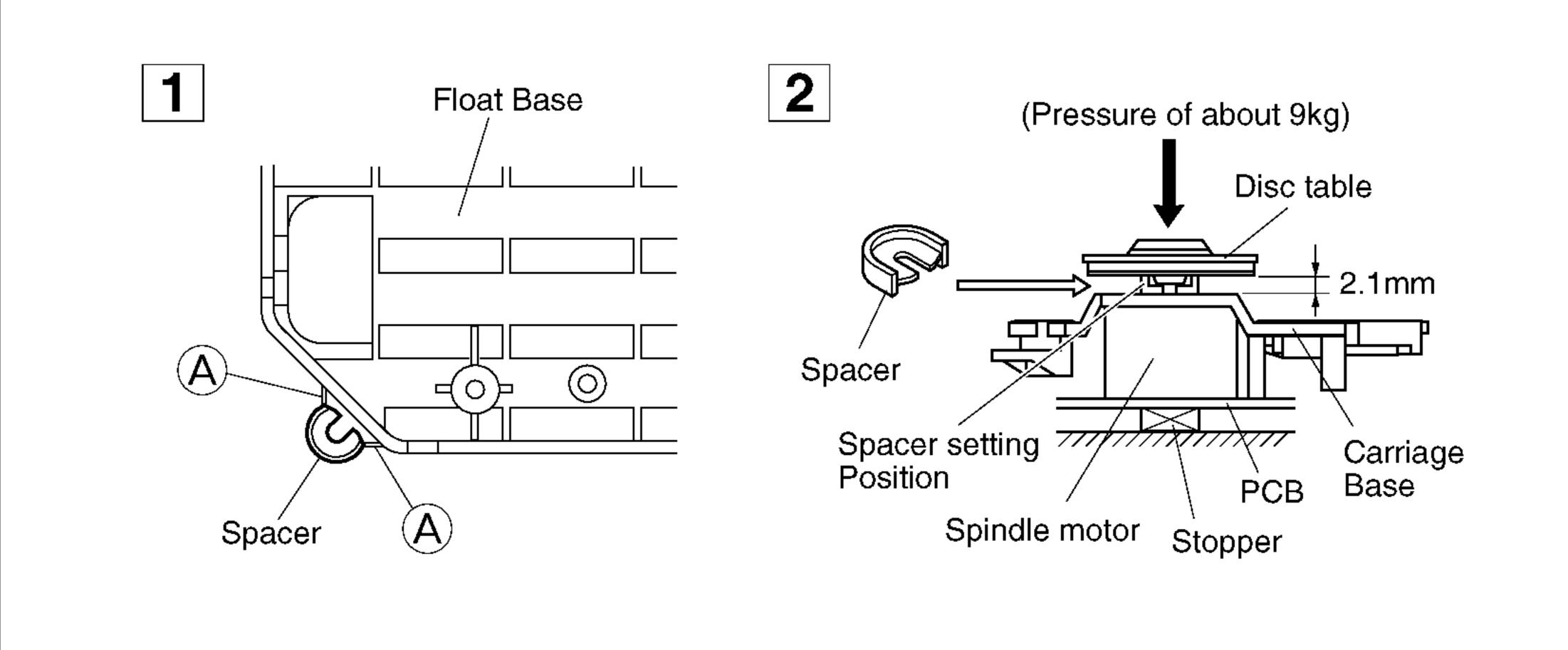


PARTS LIST

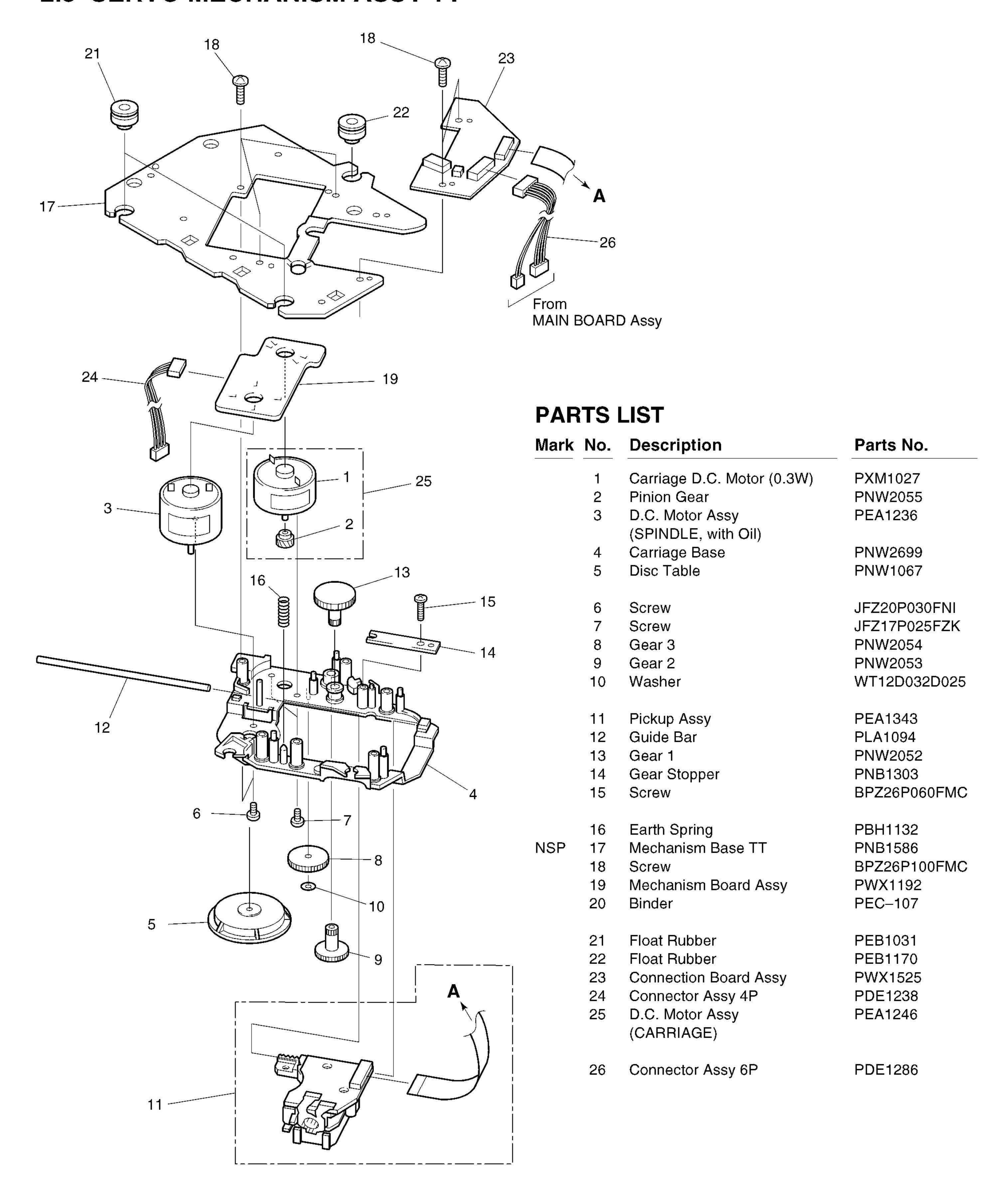
Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	Lever Switch (S601)	DSK1003	NSP	26	Turn Table G (AL)	PAN1363
	2	Float Screw	PBA1027	NSP	27	Servo Mechanism Assy TT	PXA1600
	3	Rubber Belt	PEB1186		28	E Ring	Z39-017
	4	Motor Pulley	PNW1634		29	Shaft Holder	PNB1382
	5	Drive Gear	PNW1996		30	Screw	BPZ26P060FMC
	6	Synchronized Lever	PNW2168		31	Screw	BBZ26P060FMC
	7	Gear Pulley	PNW1998	NSP	32	Earth Lead	PDF1148
	8	SW Head	PNW1999		33	Caution Label	PRW1244
	9	Float Base	PNW2767		34	Connector Assy 5P	PDE1243
	10	Left Cam	PNW2001		35	Connector Assy 6P	PDE1287
	11	Right Cam	PNW2002		36	Binder	PEC-107
	12	Float Spring	PBH1222	NSP	37	Tray Assy TT	PXA1599
	13	Lock Spring	PBH1121		38	Clamp Spring	PBK1148
	14	Float Rubber	PEB1014		39	Spacer	PBF1014
	15	Table Rubber Sheet	PEB1181	NSP	40	Table Base	PXA1382
	16	Tray	PNW2762		41	Screw	IBZ30P060FCC
	17	Table Guide	PNW2004				
	18	Lock Plate	PNW2005				
	19	D.C. Motor (0.75W, LOADING)	PXM1010				
	20	Screw	BMZ26P040FMC				
	21	Screw	IPZ26P060FCU				
	22	Screw	IPZ20P080FMC				
	23	Turn Table Assy	PEA1342				
	24	Loading Base	PNW2761				
	25	Table Shaft Holder Assy	PXA1383				

How to Install the Disc Table

- 1 Use nippers or other tool to cut the two sections marked (A) in figure 1.
- While supporting the spindle motor shaft with the stopper, put spacer on top of the carriage base, and stick the disc table on top (takes about 9kg pressure). Take off the spacer.



2.5 SERVO MECHANISM ASSY TT

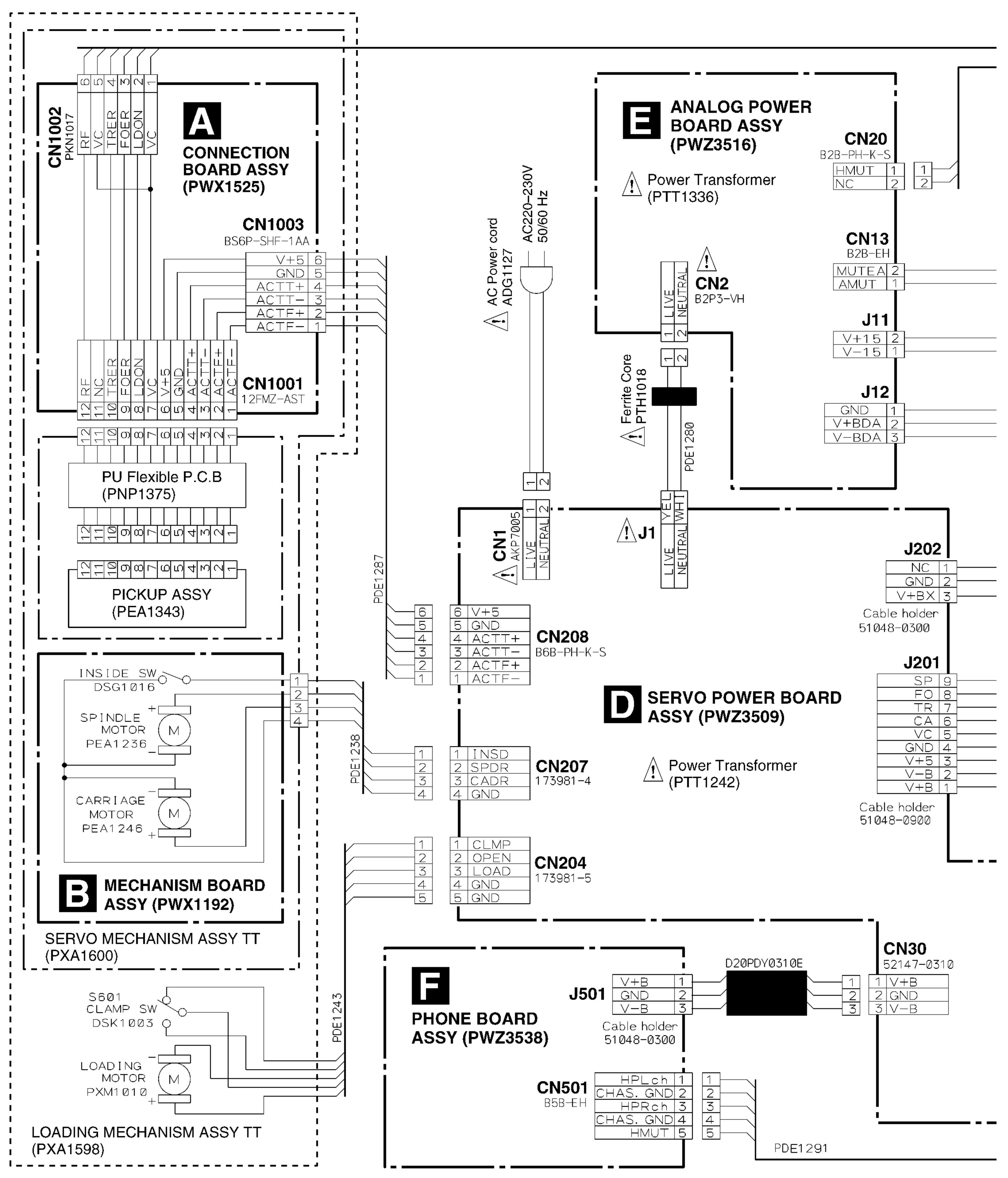


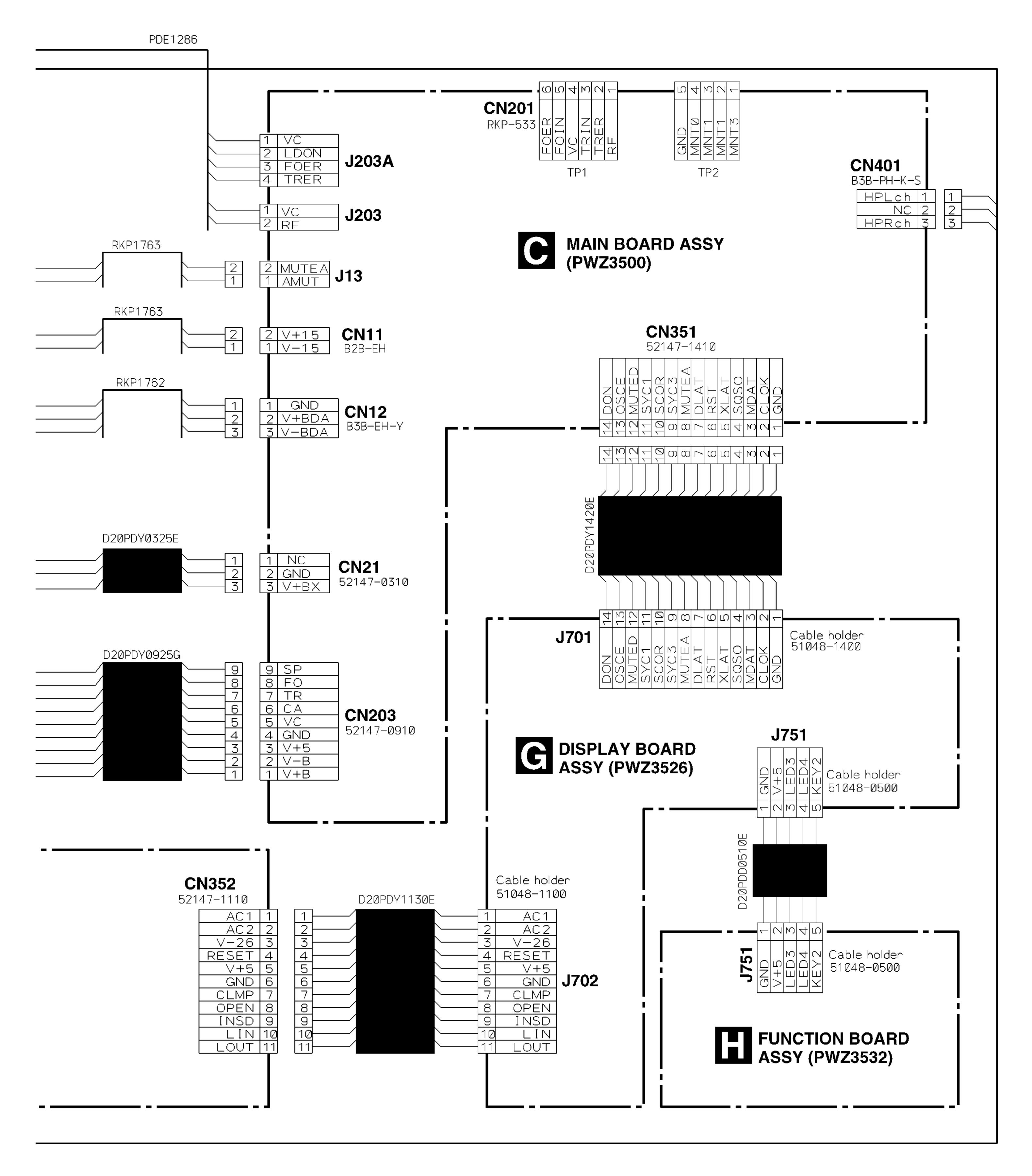
PD-S06

3. SCHEMATIC DIAGRAM

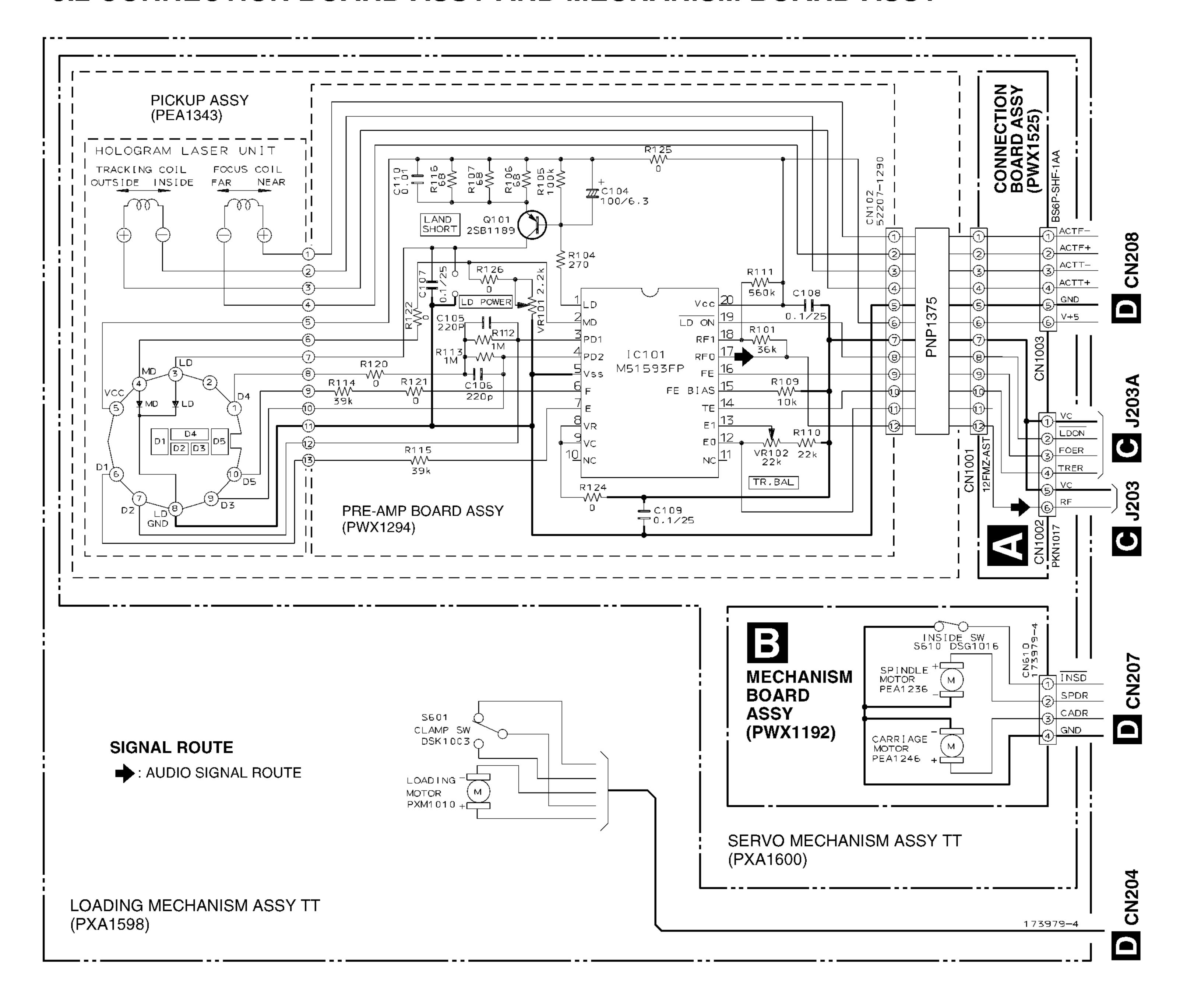
Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "PCB PARTS LIST".

3.1 OVERALL SCHEMATIC DIAGRAM





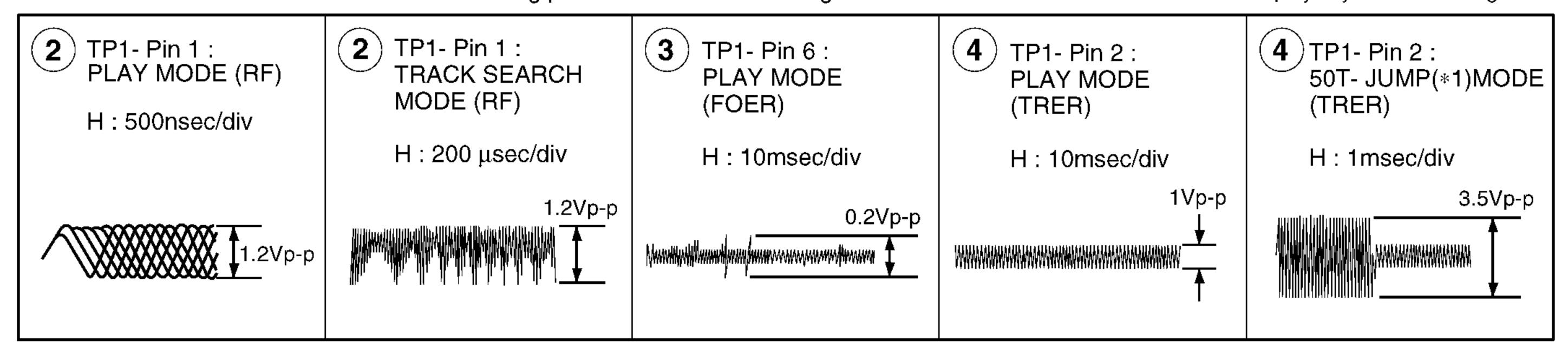
3.2 CONNECTION BOARD ASSY AND MECHANISM BOARD ASSY



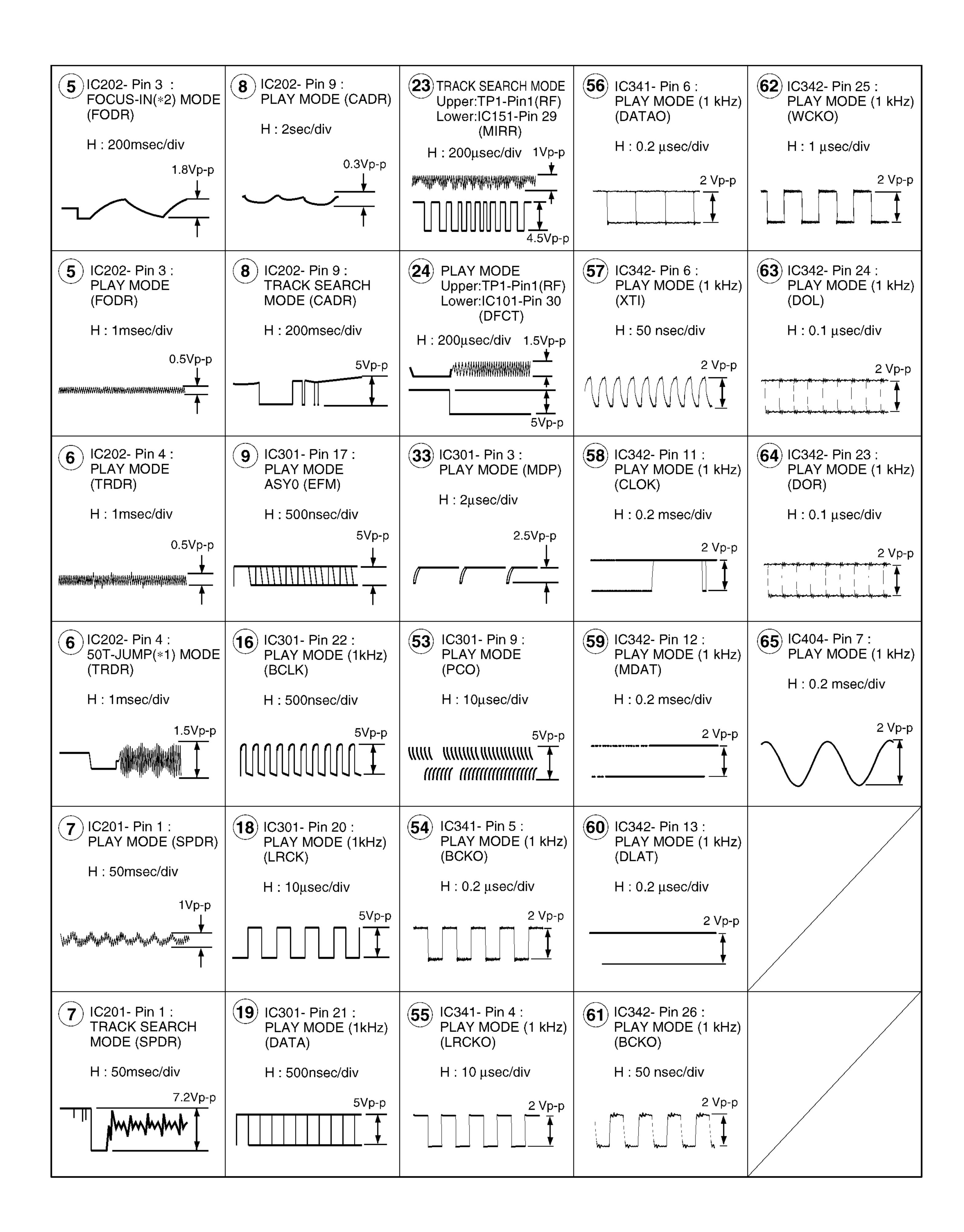
Waveforms

Note: The encircled numbers denote measuring point in the schematic diagram.

- *1 50T-JUMP: After switching to the pause mode, press the manual search key.
- *2 FOCUS-IN: Press the play key without loading a disc.

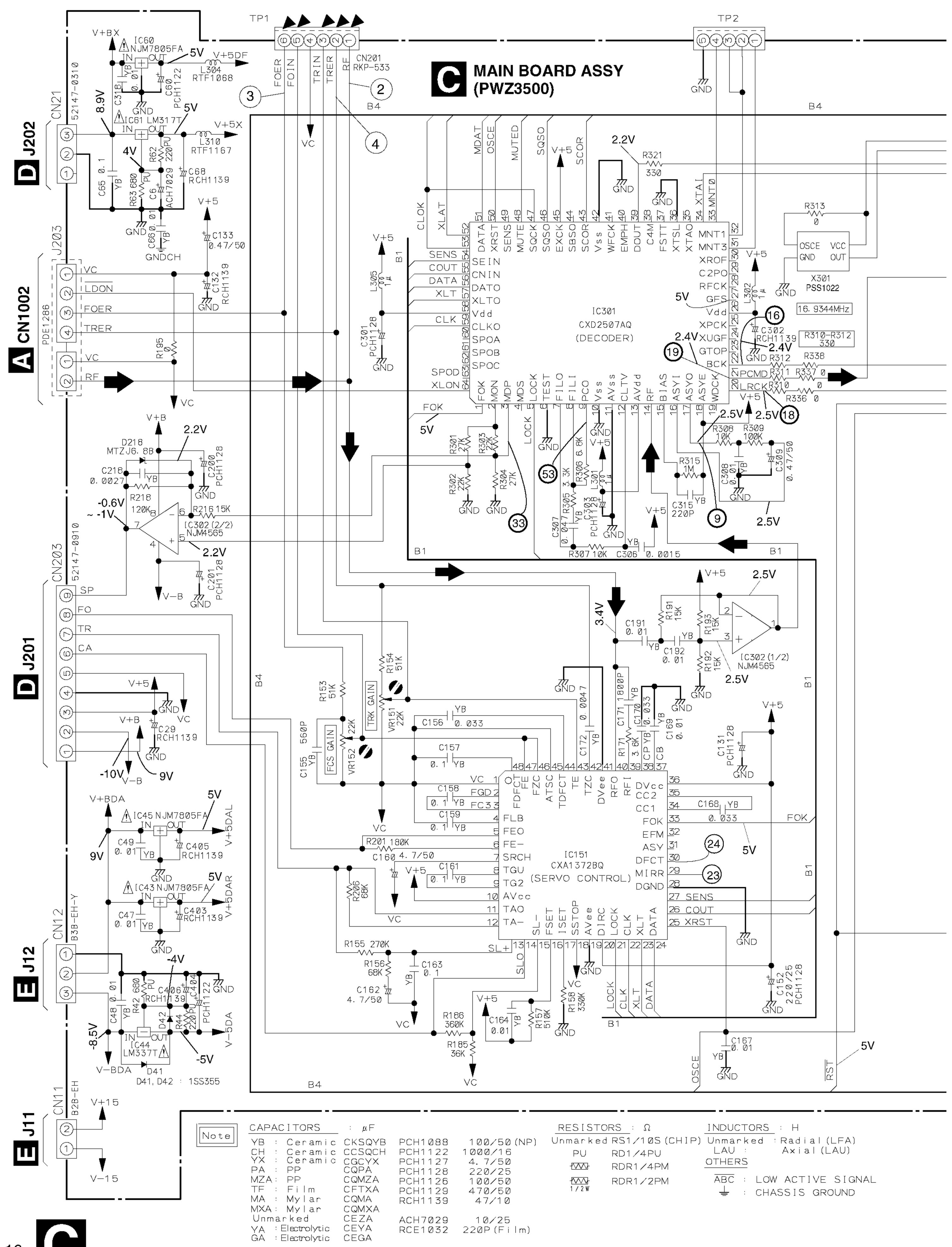


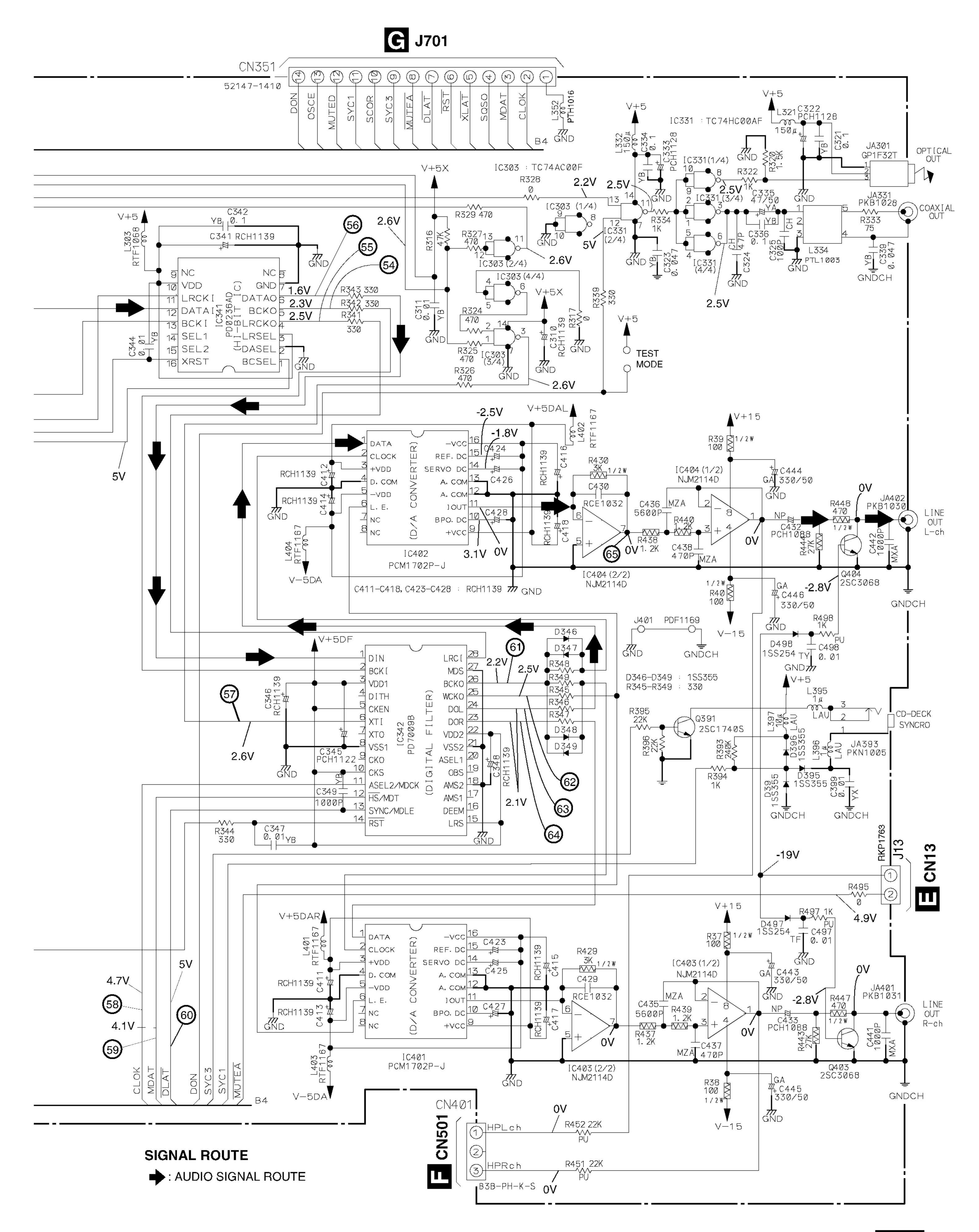




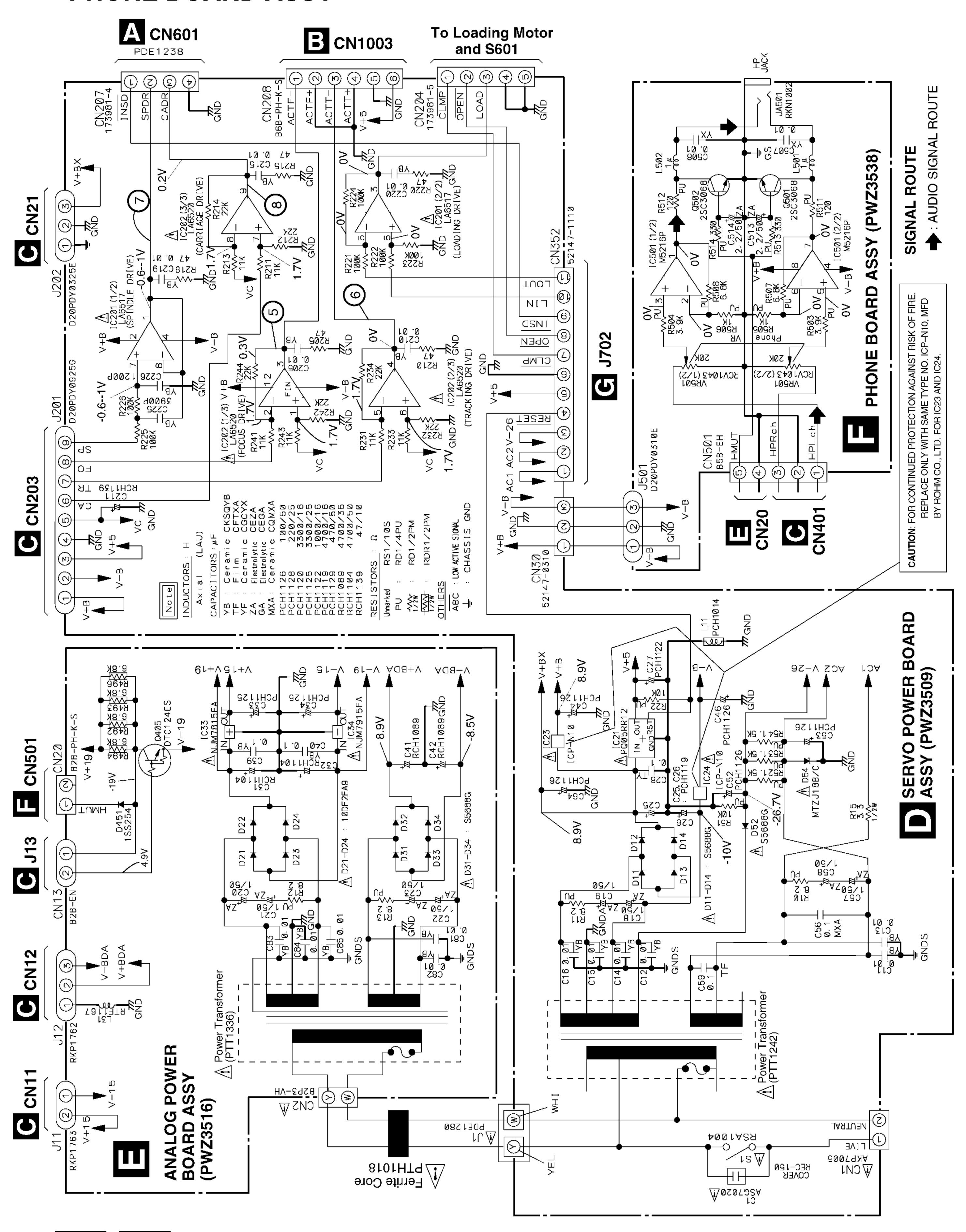
PD-S06

3.3 MAIN BOARD ASSY

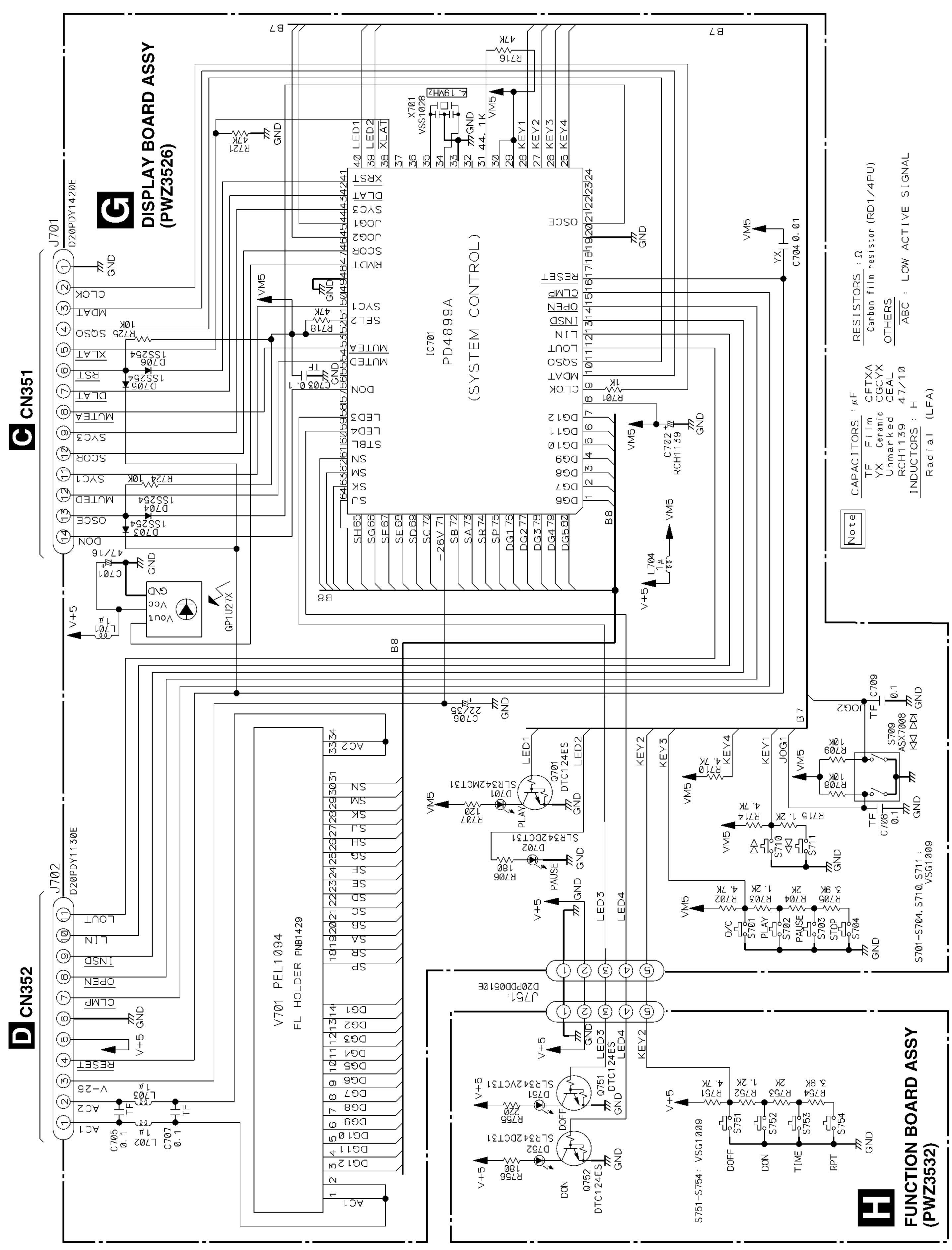




3.4 SERVO POWER BOARD ASSY, ANALOG POWER BOARD ASSY AND PHONE BOARD ASSY

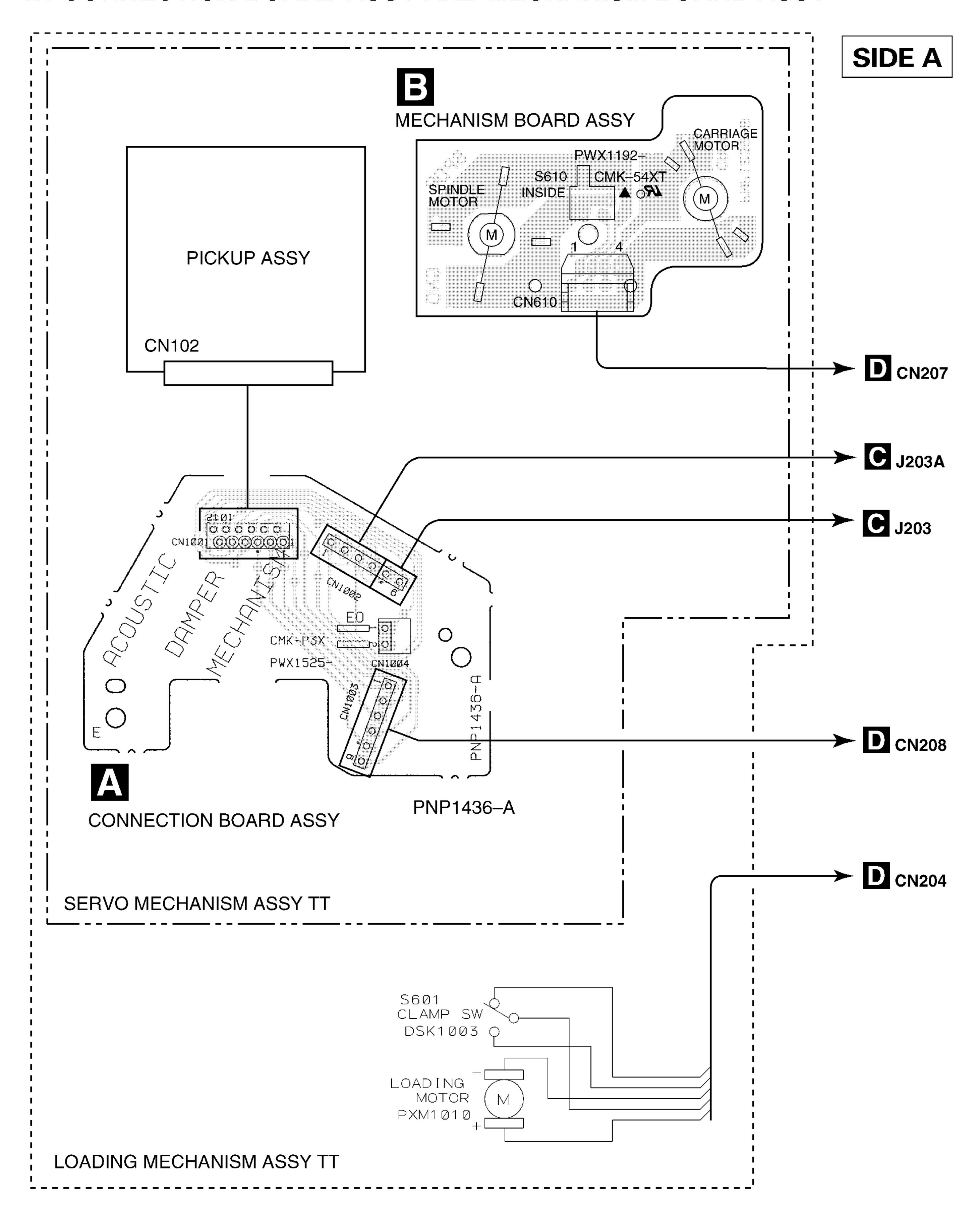


3.5 DISPLAY BOARD ASSY AND FUNCTION BOARD ASSY

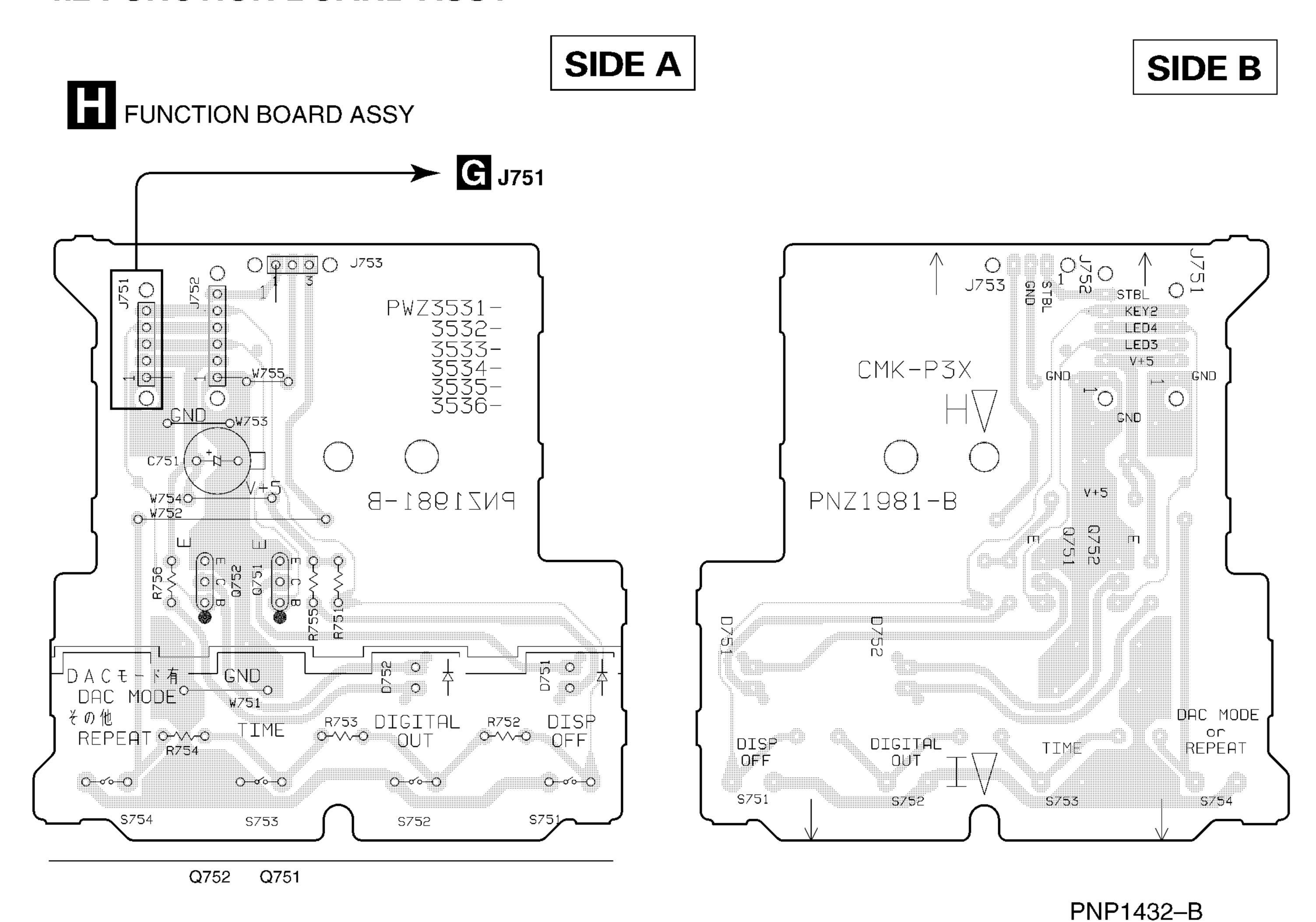


4. PCB CONNECTION DIAGRAM

4.1 CONNECTION BOARD ASSY AND MECHANISM BOARD ASSY



4.2 FUNCTION BOARD ASSY



NOTE FOR PCB DIAGRAMS:

- Part numbers in PCB diagrams match those in the schematic diagrams.
- 2. A comparison between the main parts of PCB and schematic diagrams is shown below.

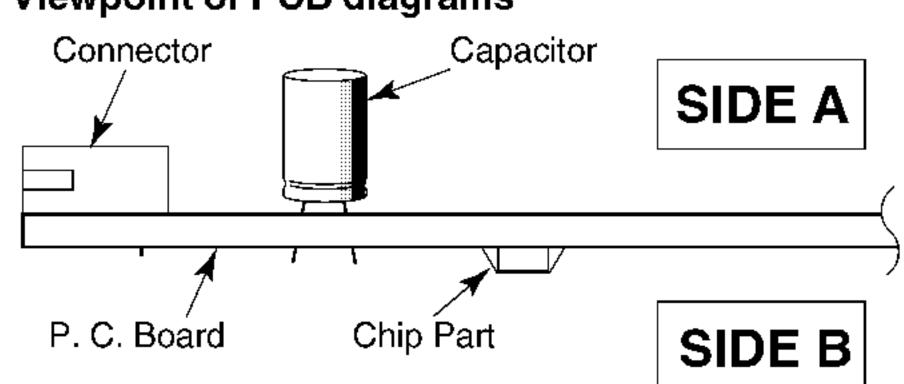
Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
(O) E (O) B		Transistor
© Е © В	B C E C WILL	Transistor with resistor
() G D	G G G G G G G G G G G G G G G G G G G	Field effect transistor

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
<u>000</u> 000		Resistor array
0		3-terminal regulator

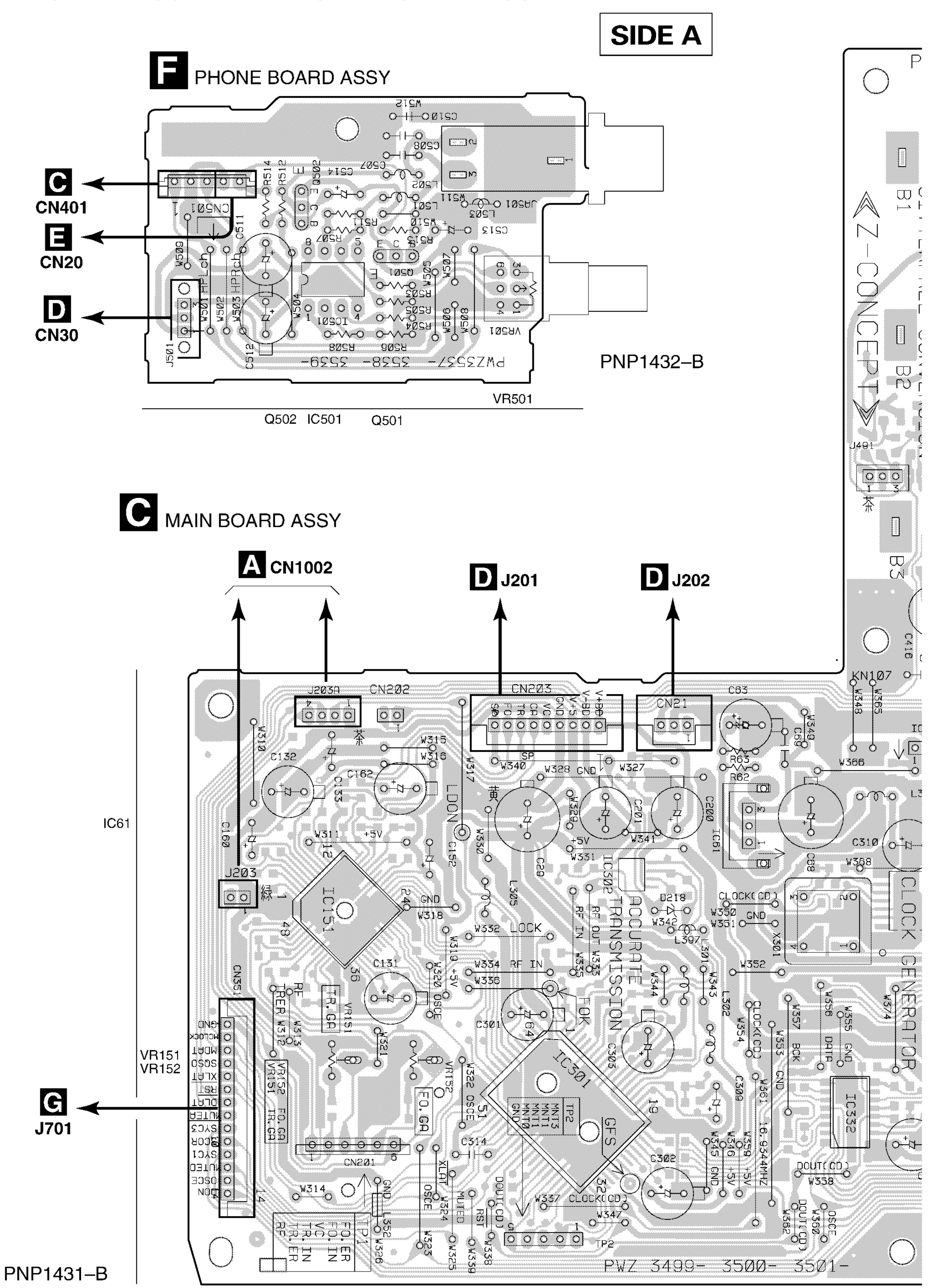
3. The parts mounted on this PCB include all necessary parts for several destination.

For further information for respective destinations, be sure to check with the schematic diagram.

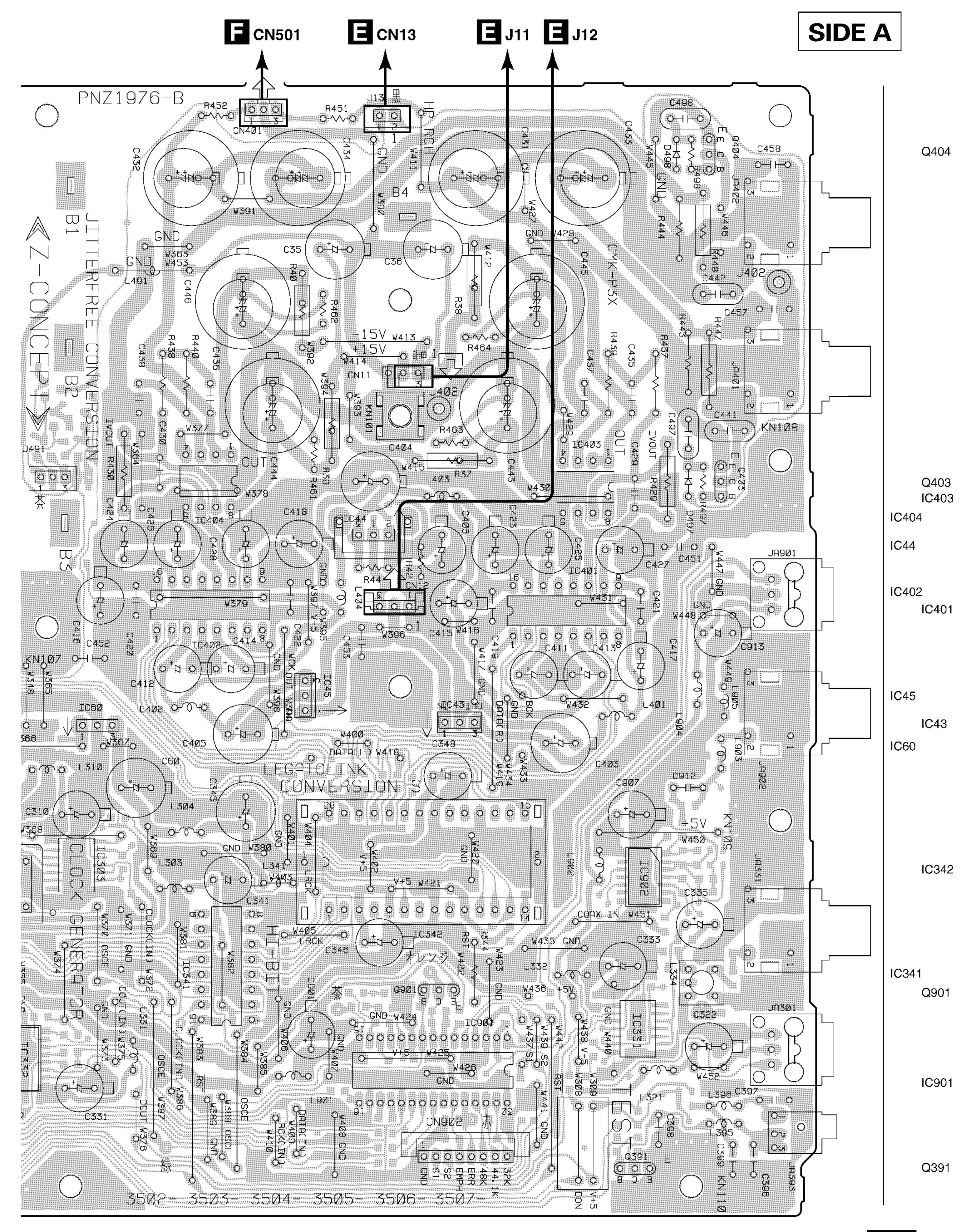
4. Viewpoint of PCB diagrams



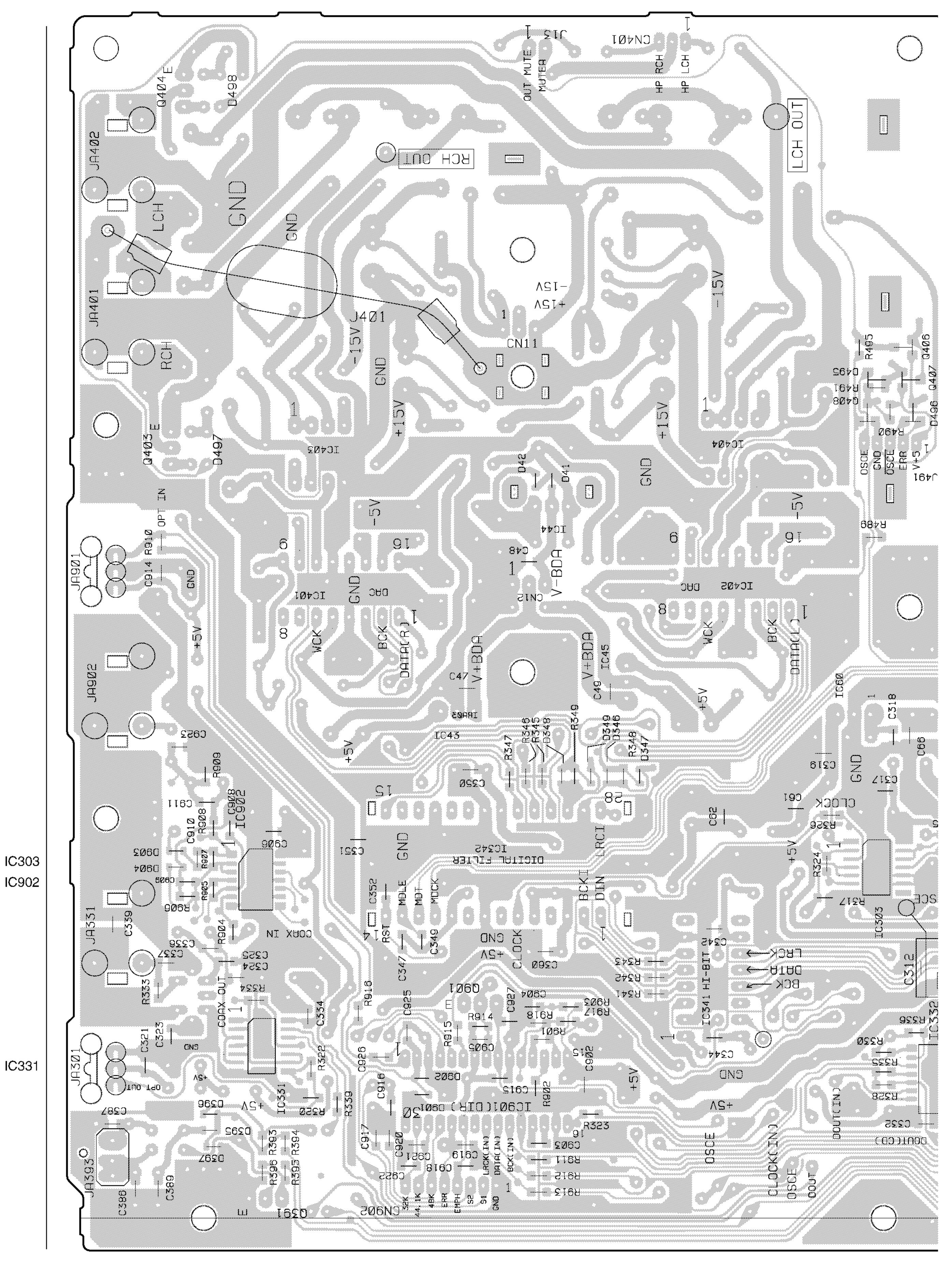
4.3 MAIN BOARD ASSY AND PHONE BOARD ASSY

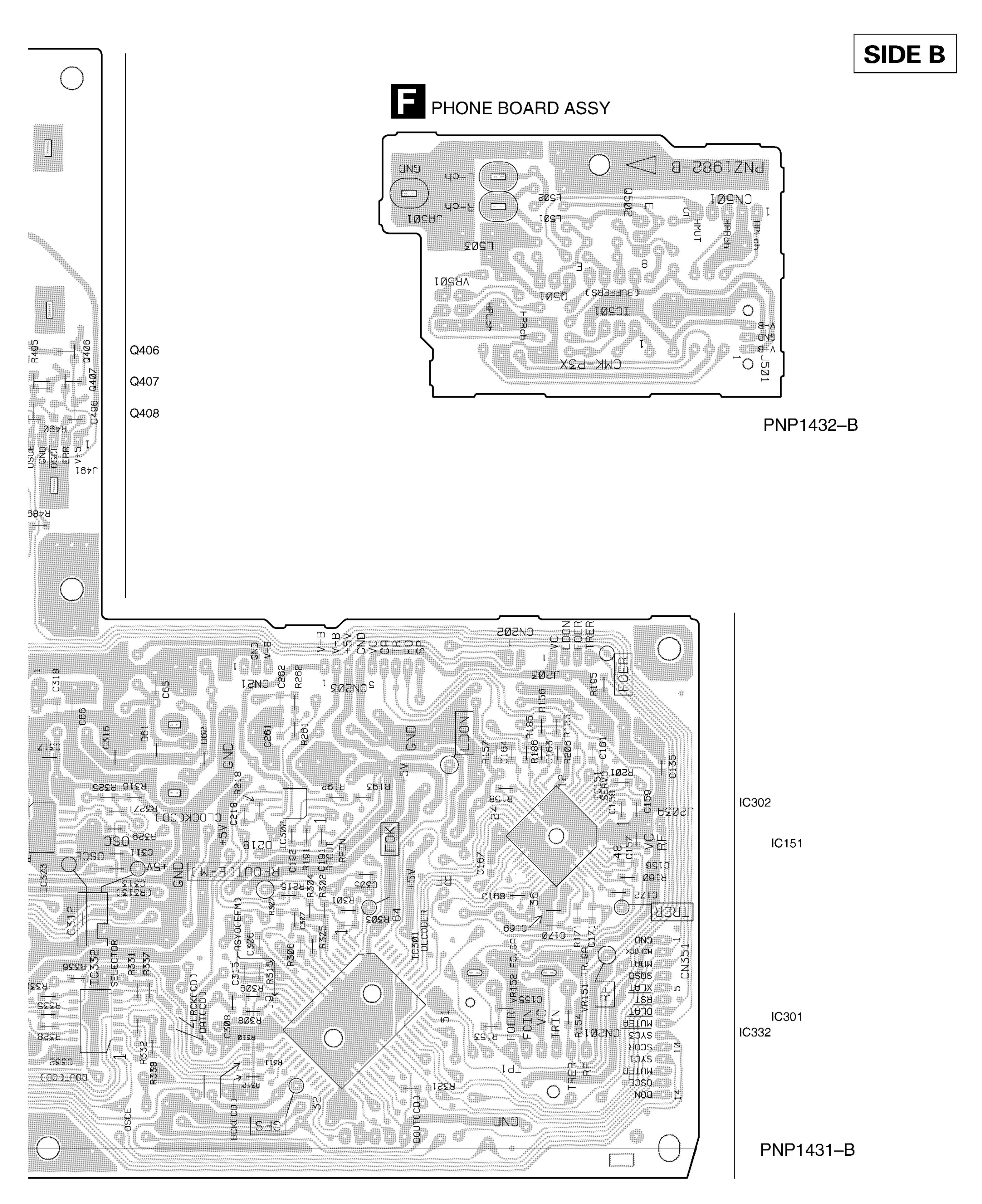




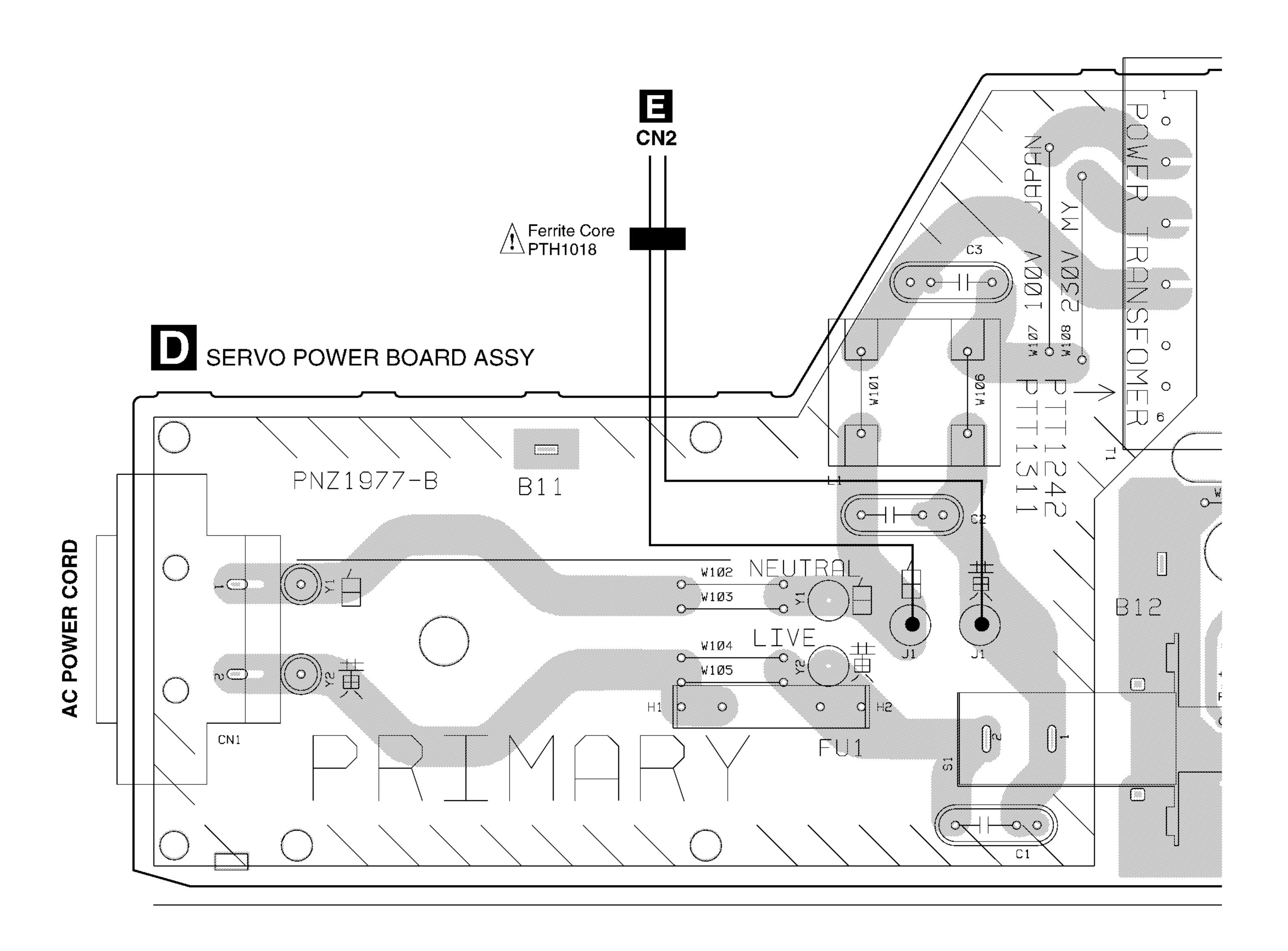


MAIN BOARD ASSY

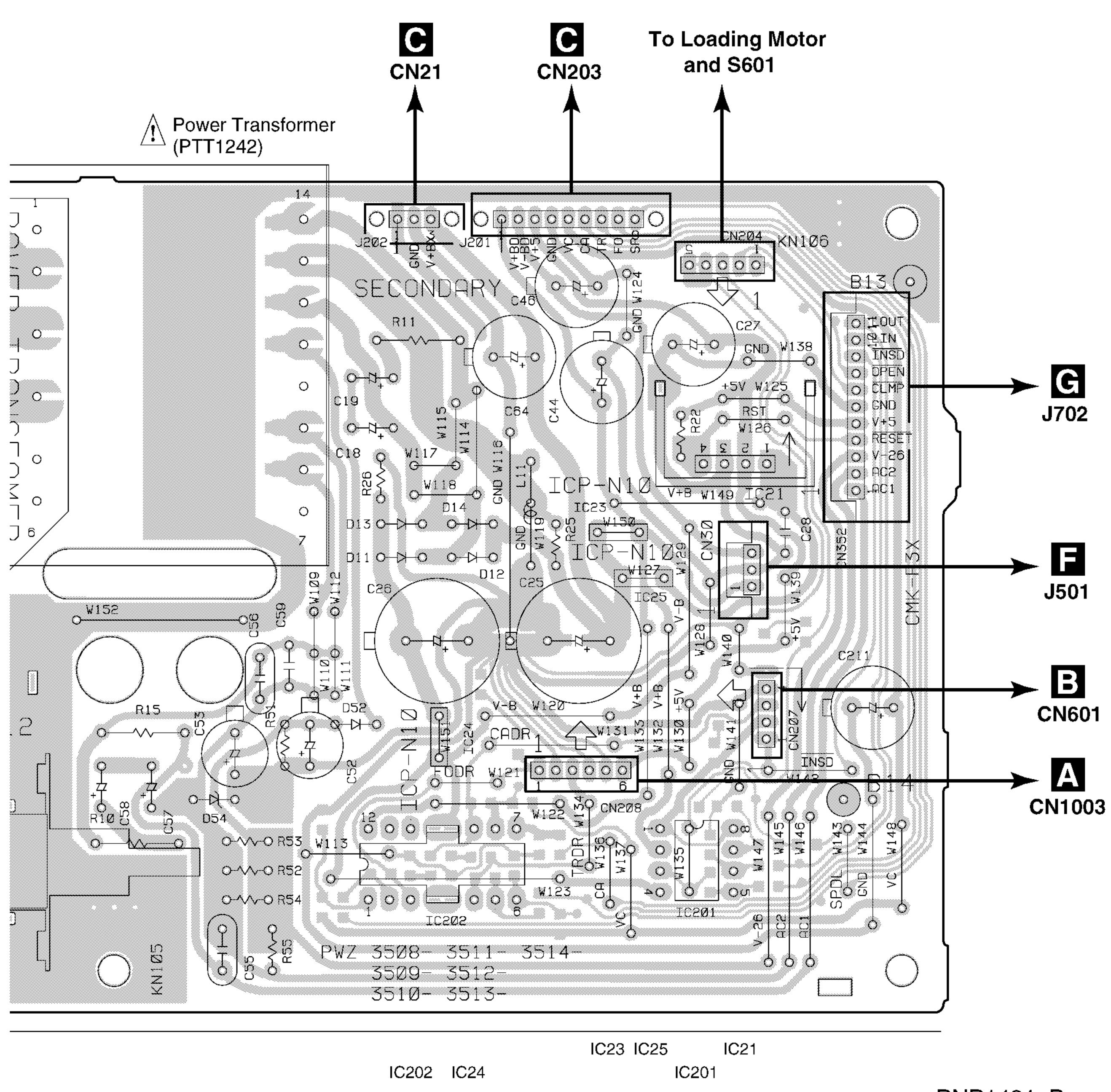




4.4 SERVO POWER BOARD ASSY

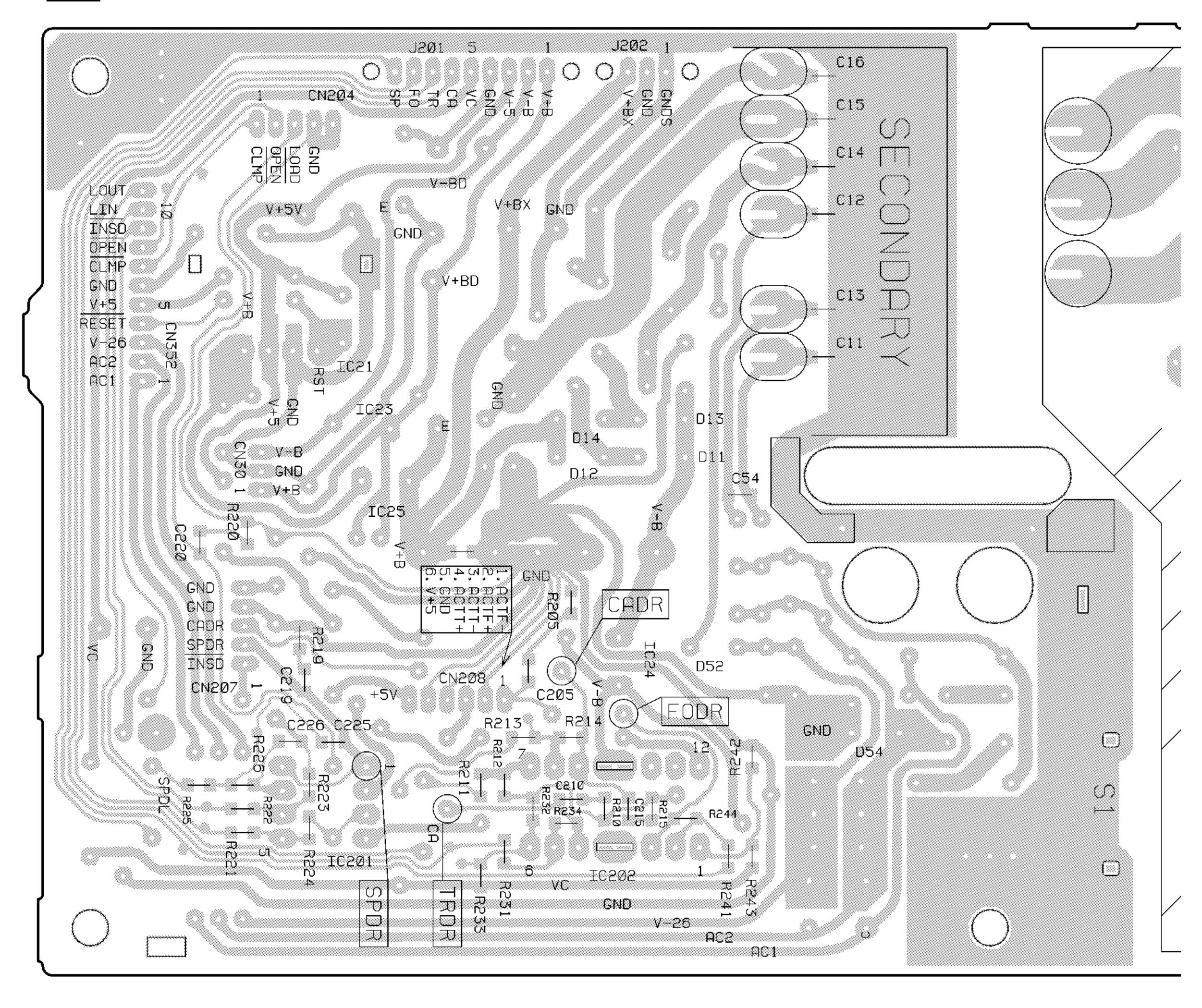


SIDE A

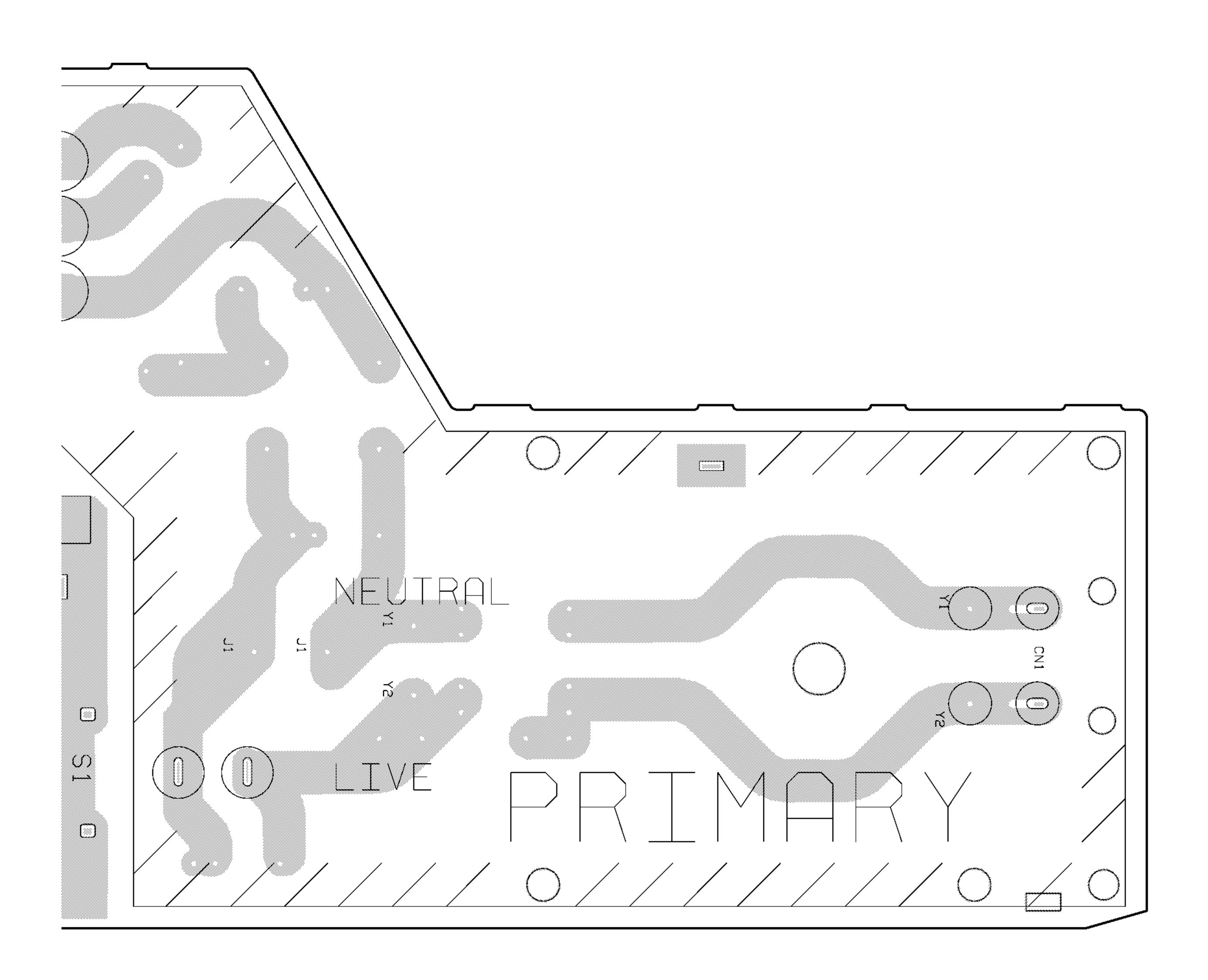


PNP1431-B

SERVO POWER BOARD ASSY



SIDE B



PNP1431-B

4.5 ANALOG POWER BOARD ASSY

SIDE A **CN11** ANALOG POWER BOARD ASSY KN102 _₩2Ø1 3520-<u>w202</u> 3521-<u>w203</u> 0-1-0 C21 CMK-P3K 0-0 W223 0H0○W2Ø4 3518-W224 + 15V $(N \cap M)$ 3519-IC31 (M)C20 B7 . O w207 $(O \cap O)$ **中**本 IC33 W209 黄 0 -[0]_W226__ W219 W220 W2006 GND 0 KN1Ø4 0 \$28 \$28 IC34 0 0 0-//-0 IC32 © № D360-DHO 021 Power Transformer OHHOC32 Q405 OHHOW213 CN20 D451 O-K-O_ IC41 V+BDf B8 W231 J1 IC35 R30 + O-----ПОП KN10/3 IC36 PNP1431-B IC42

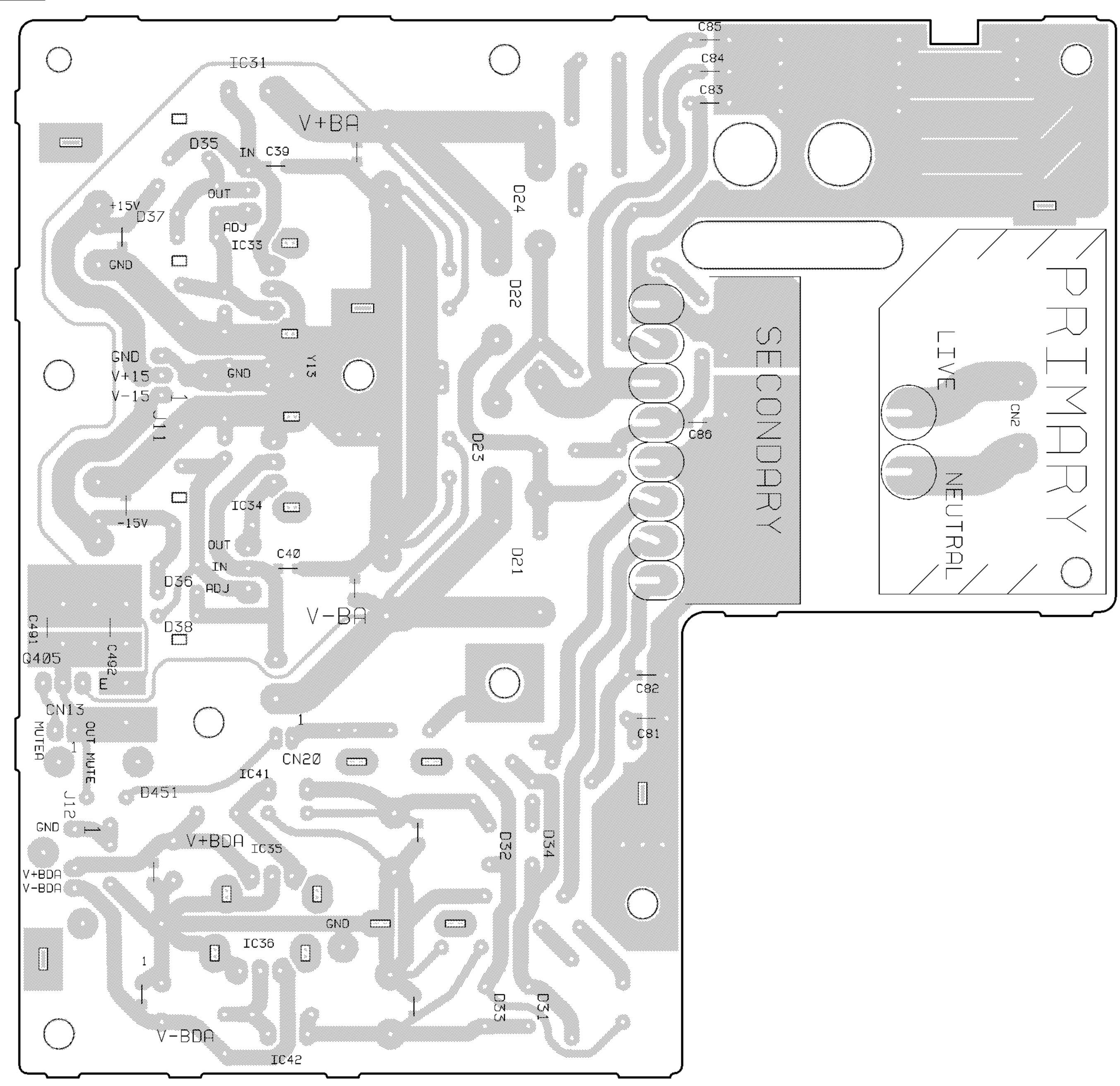
CN12

J13

CN501

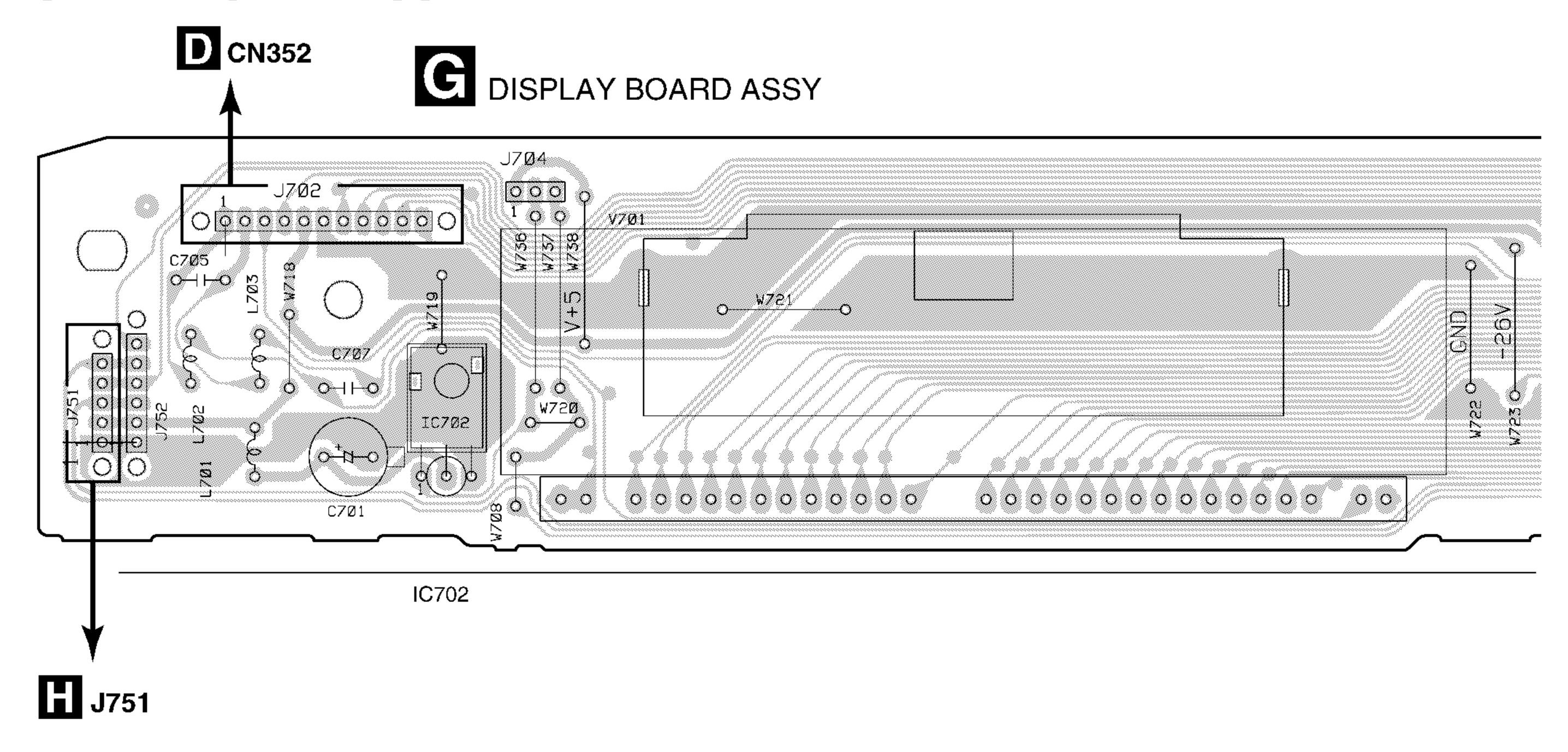
SIDE B

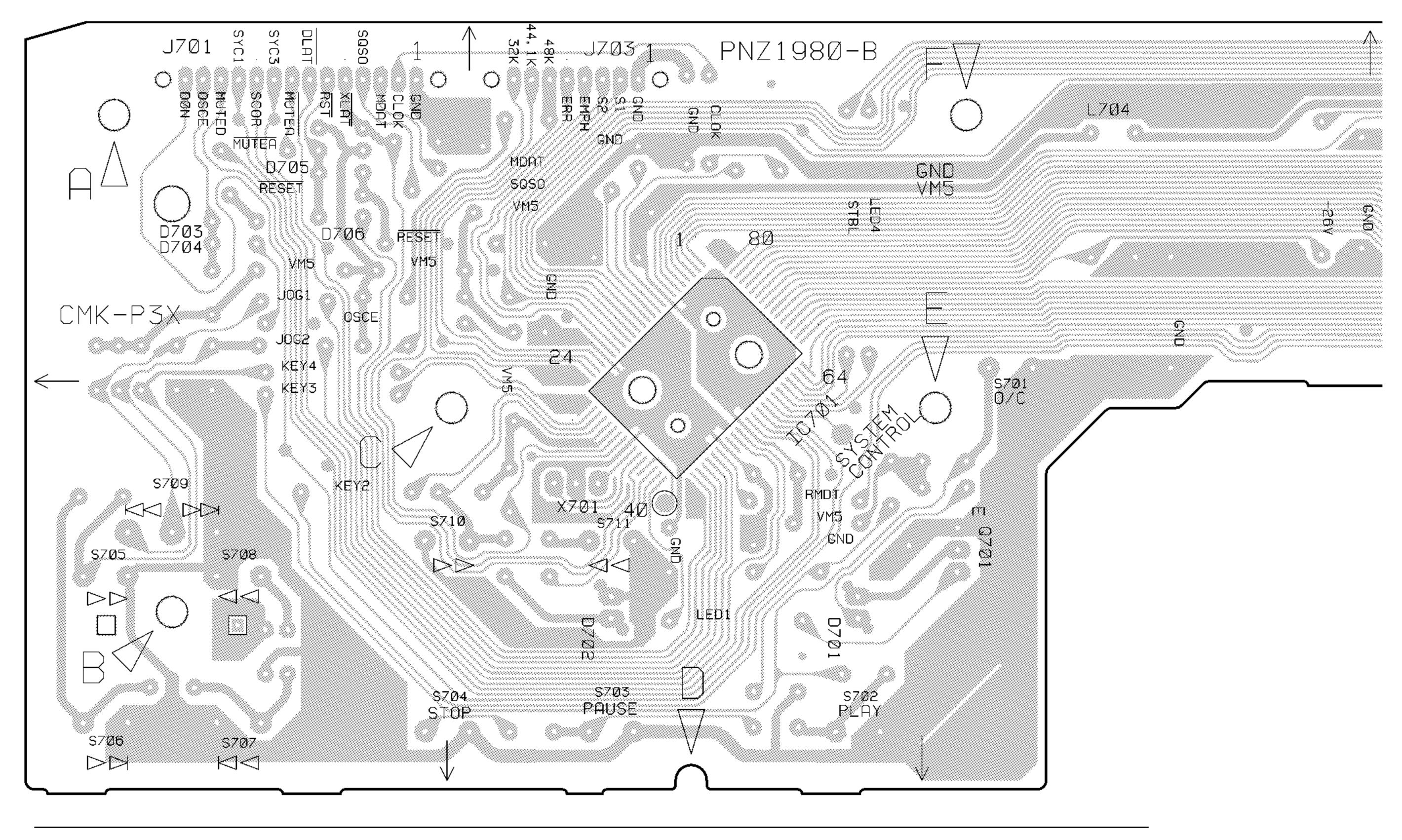
ANALOG POWER BOARD ASSY



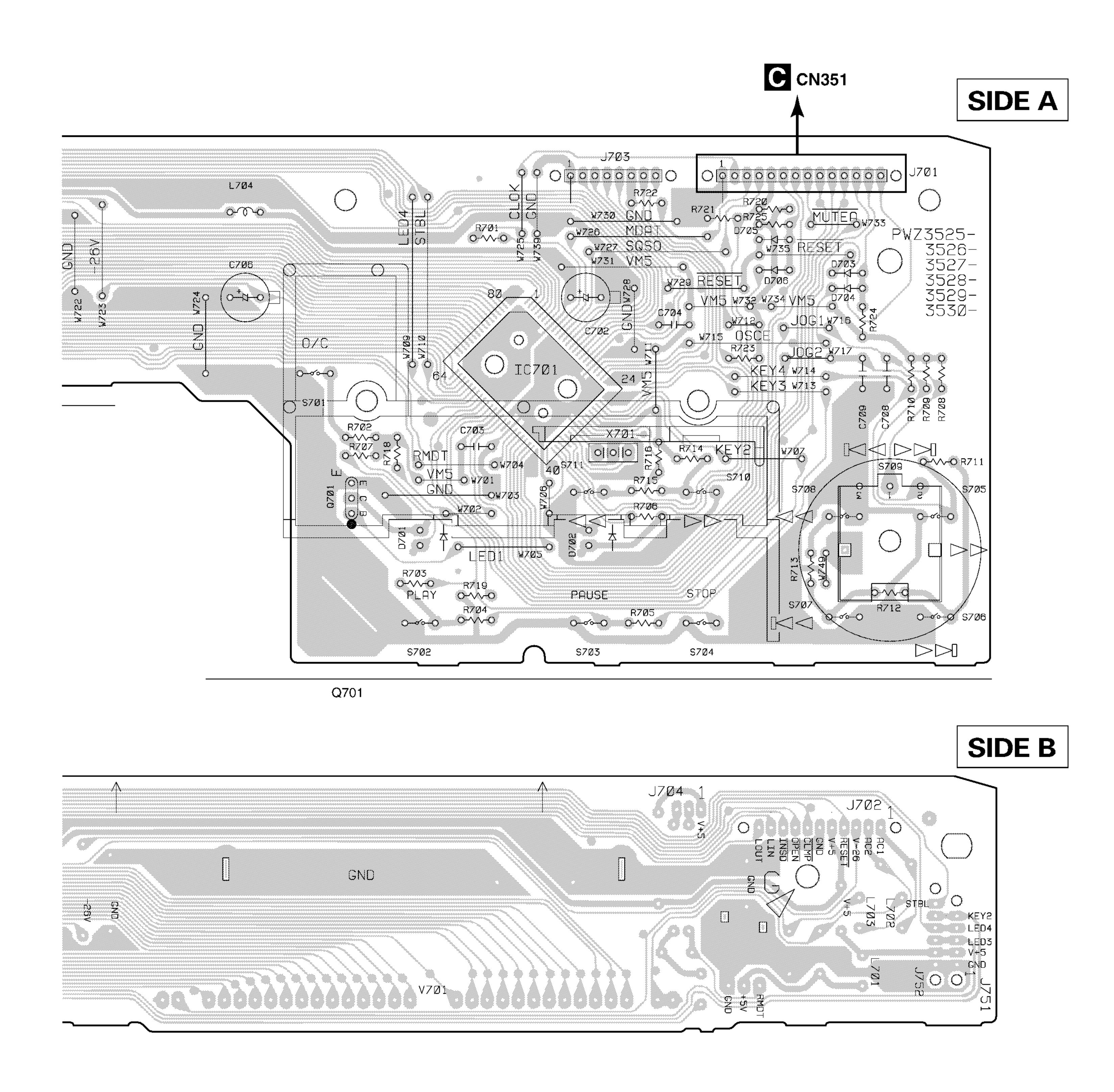
PD-S06

4.6 DISPLAY BOARD ASSY









PNP1432-B

5. PCB PARTS LIST

- NOTES: Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
 - The riangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - When ordering resistors, first convert resistance values into code form as shown in the following examples.
 - Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
LIST	OF P	CB ASSEMBLIES		CAPA	CITORS		
NSP	MOTHER	R BOARD ASSY	PWM2170		C63 (10 μF	/25V)	ACH7029
	ı	N BOARD ASSY	PWZ3500		C325	•	CCSQCH101J50
		RVO POWER BOARD ASSY	PWZ3509		C324		CCSQCH470J50
		ALOG POWER BOARD ASSY	PWZ3516		C443-C446	3	CEGA331M50
	7 XI X /	LOGI OWLIT DOMIND MOOT	1 4420010		C335		CEYA470M50
NSP		ARD ASSY PLAY BOARD ASSY	PWX1520 PWZ3526		C152 (220)	uF/25\/\	PCH1128
					C160, C162	•	CEZA4R7M50
	I	ICTION BOARD ASSY ONE BOARD ASSY	PWZ3532		C133, C309		CEZAR47M50
	ГПС	JIVE BUAND ASST	PWZ3538		C497, C498		CFTXA103J50
NSP		G MECHANISM ASSY TT	PWX1598		C346 (47 µ		RCH1139
					Ουτο (τ <i>r</i> μ	1 / 1 O V)	110111100
NSP		Y ASSY TT	PXA1599		C399		CGCYX103K25
NSP	_ OEF	RVO MECHANISM ASSY TT	PXA1600		C349		CKSQYB102K50
		- MECHANISM BOARD ASSY	PWX1192		C164, C167	7 (160	CKSQYB102K50
		CONNECTION BOARD ASSY	PWX1525		•	•	CKSQYB103K50
					,	2, C308, C311	-
					U317-U318	3, C344, C347	CKSQYB103K50
	MAIN	BOARD ASSY			C47-C49, 0		CKSQYB103K50
SEMI	CONDI	ICTORS			C157-C159	9, C161, C163, C321	CKSQYB104K25
OLIVII		7010110	OV 4 4 0 7 0 D O		C334, C336	6, C342, C65	CKSQYB104K25
	IC151		CXA1372BQ		C306		CKSQYB152K50
۸	IC301		CXD2507AQ		C171		CKSQYB182K50
<u>\(\frac{1}{\chi} \)</u>	IC61		LM317T				
<u>\!</u>	IC44		LM337T		C315		CKSQYB221K50
	IC403, IC	3404	NJM2114D-D		C218		CKSQYB272K50
	· -				C156, C168	3, C170	CKSQYB333K50
٨	IC302		NJM4565M		C172		CKSQYB472K50
<u>!</u> \	IC43, IC4		NJM7805FA		C307, C323	3, C339	CKSQYB473K50
	IC401, IC	2402	PCM1702P-J		·		
	IC341		PD0236AD		C155		CKSQYB561K50
	IC342		PD7009B		C437, C438	3	CQMZA471J50
					C435, C436		CQMZA562J50
	IC303		TC74AC00F		C441, C442		CQMXA102J2A
	IC331		TC74HC00AF		C432, C433	3 (100 μF/50V)	PCH1088
	Q391		2SC1740S		,		
	Q403, Q4		2SC3068		C345, C404	4, C60 (1000 μF/16V)	PCH1122
	D497, D4	198	1SS254		•	D, C201, C301, C303	PCH1128
					(220 μF/25		
	D346-D3	349, D395–D397	1SS355		•	3 (220 μF/25V)	PCH1128
	D41, D42	2	1SS355		·) (220pF/50V)	RCE1032
	D218		MTZJ6.8B		,	· (——• •· / • • · /	
0011	C AND	EU TEDO			, ,	C302, C310, C341	RCH1139
CUIL		FILTERS			$(47 \mu\text{F}/10)$,	DOL14400
	L397 (10	μH)	LAU100J		·	3, C405, C406 (47 μF/10V)	RCH1139
	L395, L39	96	LAU1R0J			3, C423–C428, C68	RCH1139
	L321, L3	32	LFA151J		$(47 \mu F/10 \text{V})$	')	
	L301, L30	02, L305	LFA1R0J				
	L334 (Co	oil)	PTL1003	RESIS	STORS		
	L352 (Fe	rrite beads)	PTH1016	·	R497, R498	3	RD1/4PU102J
	`	04 (0.15 mH)	RTF1068		R44, R62		RD1/4PU221J
	•	•			R451, R452	>	RD1/4PU223J
	L310, L46	01-L404 (Noise filter)	RTF1167		R344		RD1/4PU2233
	, = -	•			D40 D60		DD1/4FU3313

R42, R63

RD1/4PU681J

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	R37–R40 R429, R43 R447, R44 R437–R44 R443, R44	-8 -0	RDR1/2PM101J RDR1/2PM302J RDR1/2PM471J RDR1/4PM122J RDR1/4PM273J	RESI	STORS R15 R22, R5 ² R52–R5 ² R10, R1 ² Other Re	1 4 1	RD1/2PM3R3J RD1/4PU103J RD1/4PU152J RD1/4PU8R2J RS1/10S□□□J
	VR151, VF Other Resi	R152 (22 k Ω) istors	RCP1046 RS1/10S□□□J	ОТНІ		,010t010	
OTH	ERS CN21 CN203 CN351 CN11 CN12 CN401 JA301 JA301 JA402 JA401 JA393 X301 CN201	3P JUMPER CONNECTOR 9P JUMPER CONNECTOR 14PJUMPER CONNECTOR 2P TOP POST 3P TOP POST CONNECTOR POST OPTICAL LINK OUT CONNECTOR ASSY 6P 1P PIN JACK 1P PIN JACK MINI JACK (16.9 MHz) CONNECTOR 6P	52147-0310 52147-0910 52147-1410 B2B-EH B3B-EH B3B-PH-K-S GP1F32T PDE1286 PKB1028 PKB1030 PKB1031 PKN1005 PSS1022 RKP-533		CN207 CN204 CN352 CN1 CN208 J202 J201 J1	MT 4P CONNECTOR MT 5P CONNECTOR 3P CABLE HOLDER 9P CABLE HOLDER 3P JUMPER CONNECTOR 11PJUMPER CONNECTOR AC INLET KR CONNECTOR WIRE ASSY 3P WIRE ASSY 9P CONNECTOR ASSY 2P CAPACITOR COVER PCB BINDER KN106 EARTH METAL FITTING	173981-4 173981-5 51048-0300 51048-0900 52147-0310 52147-1110 AKP7005 B6B-PH-K-S D20PDY0325E D20PDY0925E PDE1280 REC-150 VEF1008 VNF1084
	J401	PCB BINDER 1110 EARTH METAL FITTING EARTH LEAD POWER BOARD AS	PDF1169			OG POWER BOARD JCTORS	ASSY NJM7815FA NJM7915FA DTC124ES 10DF2FA9 1SS254
	CONDUC			∧	D31-D34	4	S5688G
	IC23, IC24 IC201 IC202 IC21 D54		ICP-N10 LA6517 LA6520 PQ05RR12 MTZJ18B	<u>(!</u> \		FILTERS	S5000G RTF1167
<u>\</u>	D11–D14,	D52 ND RELAYS ER SWITCH	S5688G RSA1004	CAP	ACITOR C20-C23 C81-C88 C39, C40 C493	3 5	CEZA1R0M50 CKSQYB103K50 CKSQYB104K25 CFTXA104J50
			11071004			4 (3300 μF/25V)	PCH1125
COIL	S AND F L11 (Ferrit		PTH1014		•	2 (4700 μF/35V) 2 (4700 μF/50V)	RCH1089 RCH1104
CAPA	ACITORS C1 (10000 C18, C19, C28 C11–C16, C219, C22 C59	pF/250V) C57, C58 C205, C210, C215	ACG7020 CEZA1R0M50 CFTYA104J50 CKSQYB103K50 CKSQYB103K50	OTHI	Other Re ERS CN13 CN20	494, R496 esistors 2P TOP POST CONNECTOR POST	RDR1/2PM682J RD1/4PU□□□J B2B-EH B2B-PH-K-S
	C27 (1000	C52, C53, C64 (100 µF/50V)	CQMXA104J2A CKSQYB122K50 CKSQYB392K50 PCH1119 PCH1122 PCH1126 RCH1139	<u>.</u>	CN2 J12 J11 KN102–ł	2P VH CONNECTOR CONNECTOR ASSY 3P CONNECTOR ASSY 2P KN104 EARTH METAL FITTING	B2P3-VH RKP1762 RKP1763 3 VNF1084

Mark No. Description Parts No. Mark No. Description DISPLAY BOARD ASSY **CAPACITORS** C513, C514 **SEMICONDUCTORS** C507, C508 IC701 PD4899B Q701 DTC124ES **RESISTORS** 188254 D703-D706 VR501 (20 kΩ-B) **SLR-342DCT31** D702 Other Resistors D701 SLR-342MCT31 **OTHERS COILS AND FILTERS** 3P CABLE HOLDER L701-L704 LFA1R0J CN501 **5P TOP POST** JACK JA501 SWITCHES AND RELAYS S709 ASX7008 \$701-\$704, \$710, \$711 VSG1009 MECHANISM BOARD ASSY **CAPACITORS** SWITCHES AND RELAYS C706 CEAL220M35 C701 CEAL470M16 S610 C703, C705, C707-C709 CFTXA104J50 C704 CGCYX103K25 **OTHERS** C702 (47 µF/10V) RCH1139 CN610 MT CONNECTOR 4P **RESISTORS** All Resistors RD1/4PU⊨⊩ IJ A CONNECTION BOARD ASSY **OTHERS OTHERS** 5P CABLE HOLDER 51048-0500 11P CABLE HOLDER 51048-1100 CN1001 FPC CONNECTOR 12P 14P CABLE HOLDER 51048-1400 CN1002 6P SIDE POST

GP1U27X

PEL1094

VSS1028

D20PDY1420E

D20PDY1130G

Parts No.

CEZA2R2M50

RCV1043

51048-0300

B5B-EH

RKN1002

DSG1016

173979-4

12FMZ-AST

BS6P-SHF-1AA

PKN1017

PNP1436

PC BOARD

CN1003 6P SIDE POST

CGCYX103K25

RD1/4PUHHHJ

T FUNCTION BOARD ASSY

(4.19 MHz)

WIRE ASSY 14P

WIRE ASSY 11P

SEMICONDUCTORS

V701

X701

J701

J702

Q751, Q752 DTC124ES
D752 SLR-342DCT31
D751 SLR-342VCT31

SWITCHES AND RELAYS

S751–S754 VSG1009

REMOTE RECEIVER UNIT

FL INDICATOR TUBE

RESISTORS

All Resistors RD1/4PU□□□J

OTHERS

5P CABLE HOLDER 51048-0500

PHONE BOARD ASSY

SEMICONDUCTORS

IC501 M5216P Q501, Q502 2SC3068

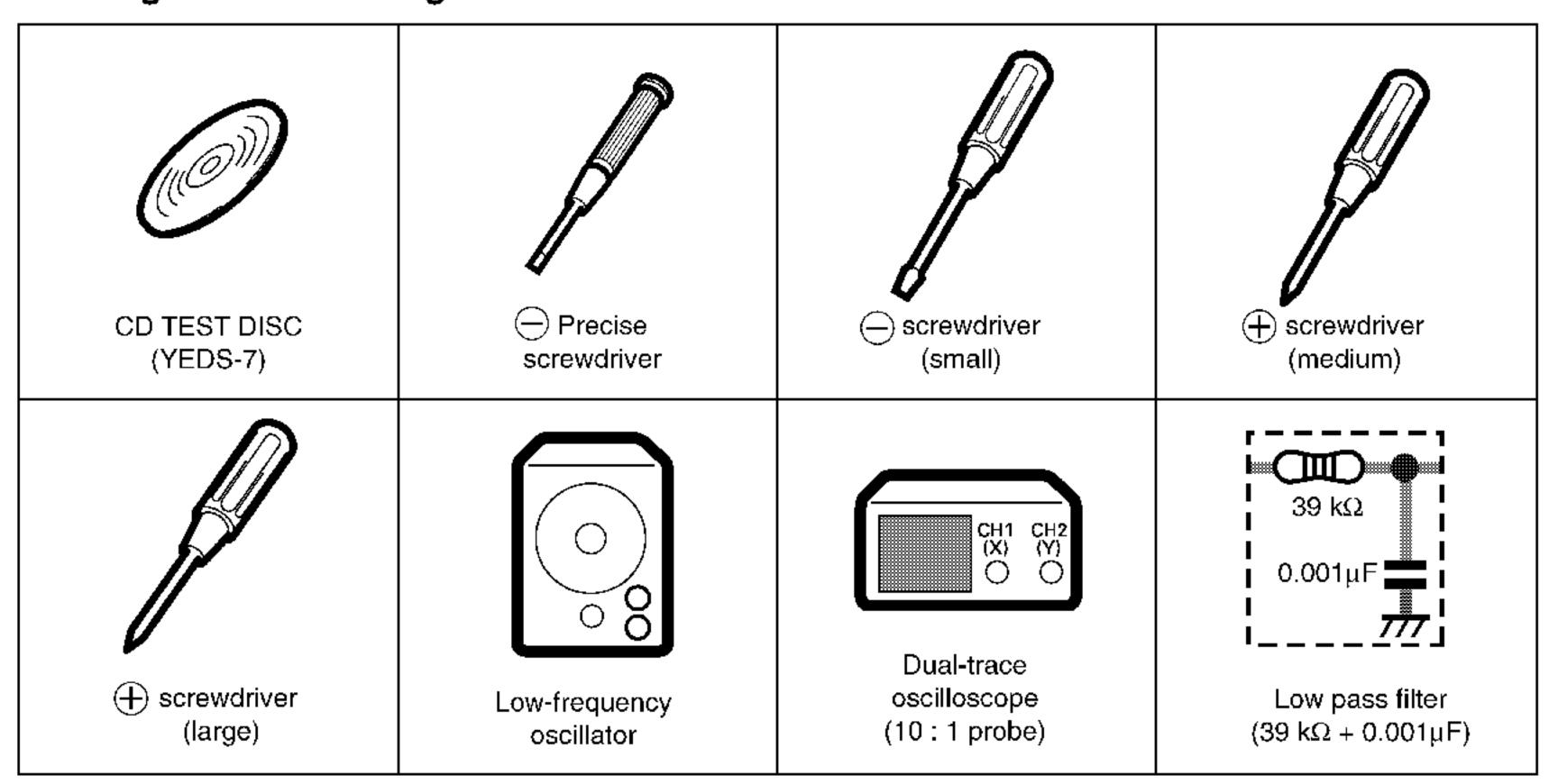
COILS AND FILTERS

L501, L502 LAU1R0J

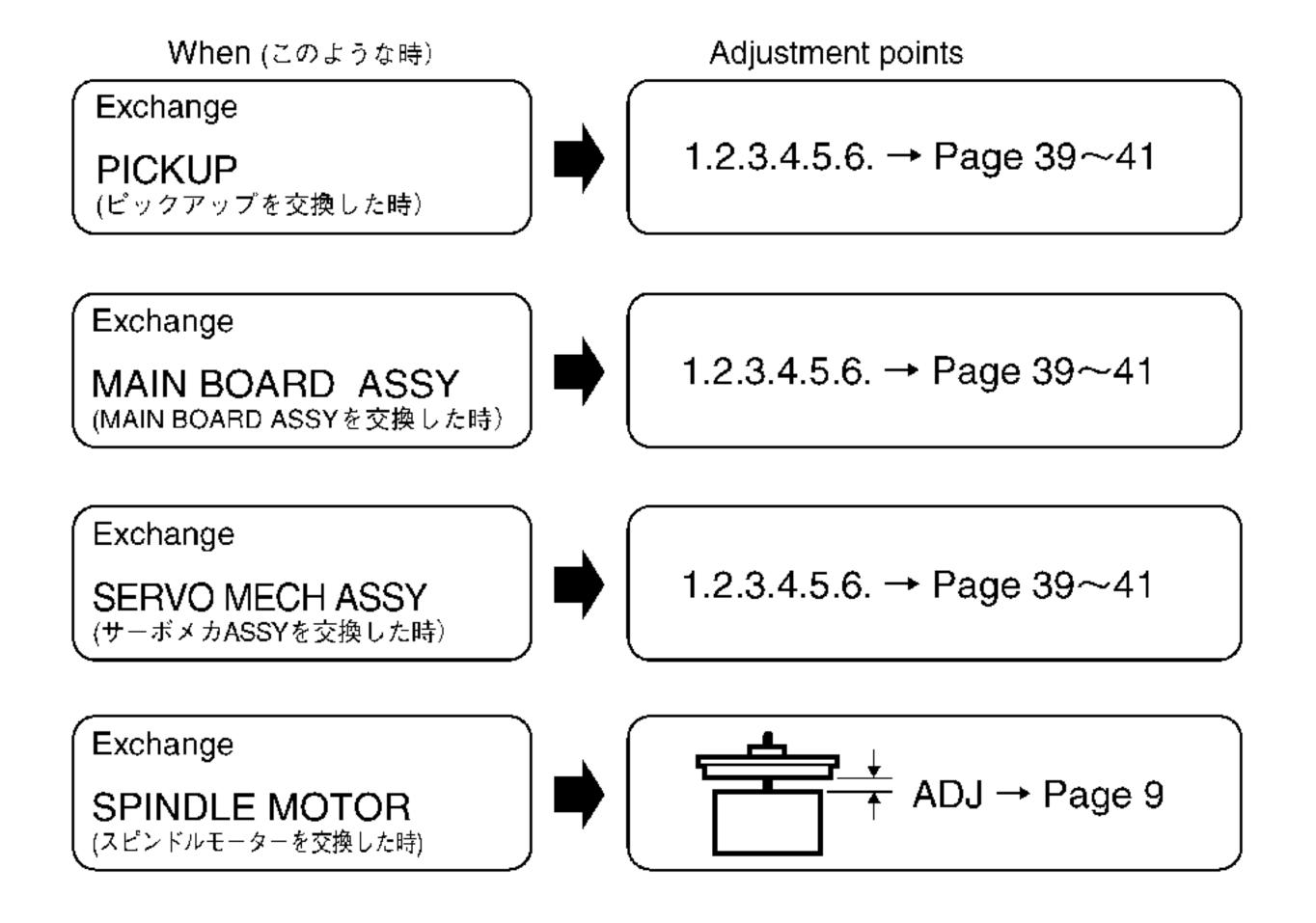
6. ADJUSTMENT

6.1 PREPARATIONS (準備)

6.1.1 Jigs and Measuring Instruments (使用測定器/治工具類)



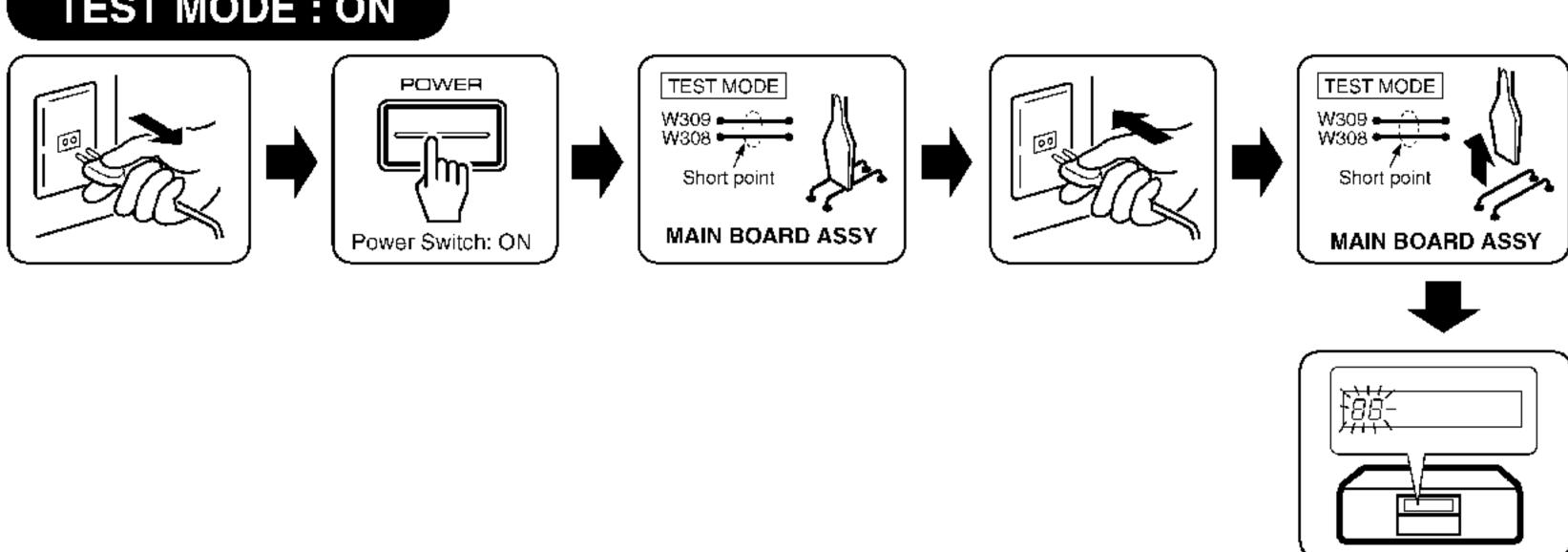
6.1.2 Necessary Adjustment Points (調整に必要な項目)



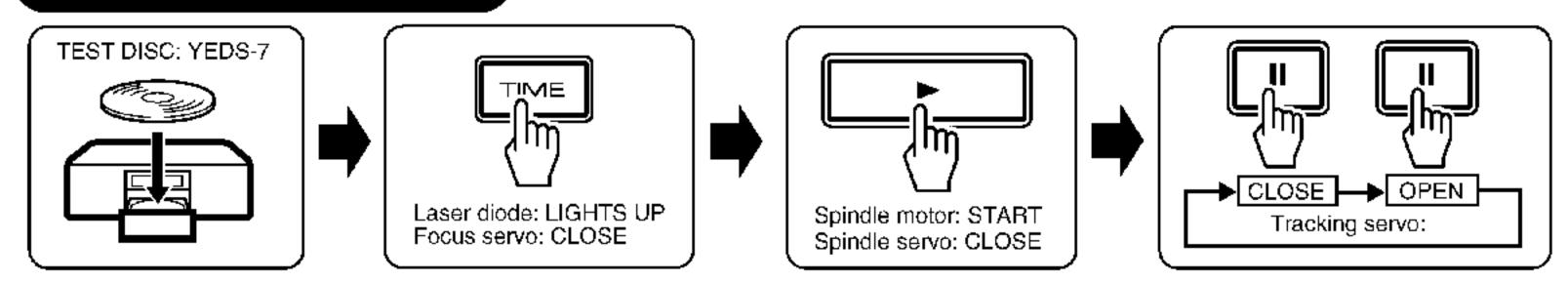
6.2 ADJUSTMENT (調整)

6.2.1 How to Start/Cancel Test Mode (テストモードの設定/解除)

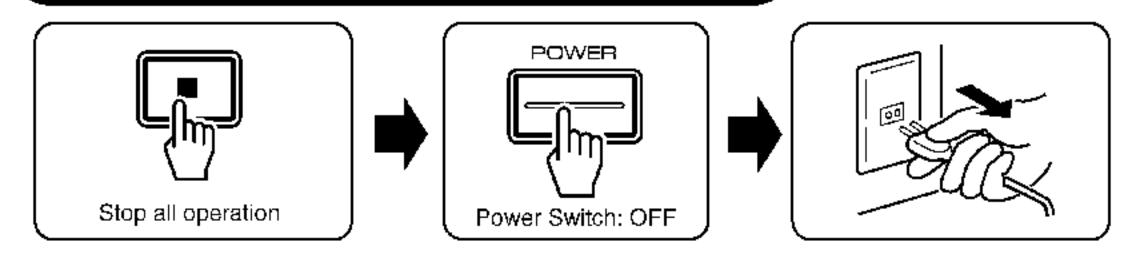
TEST MODE: ON



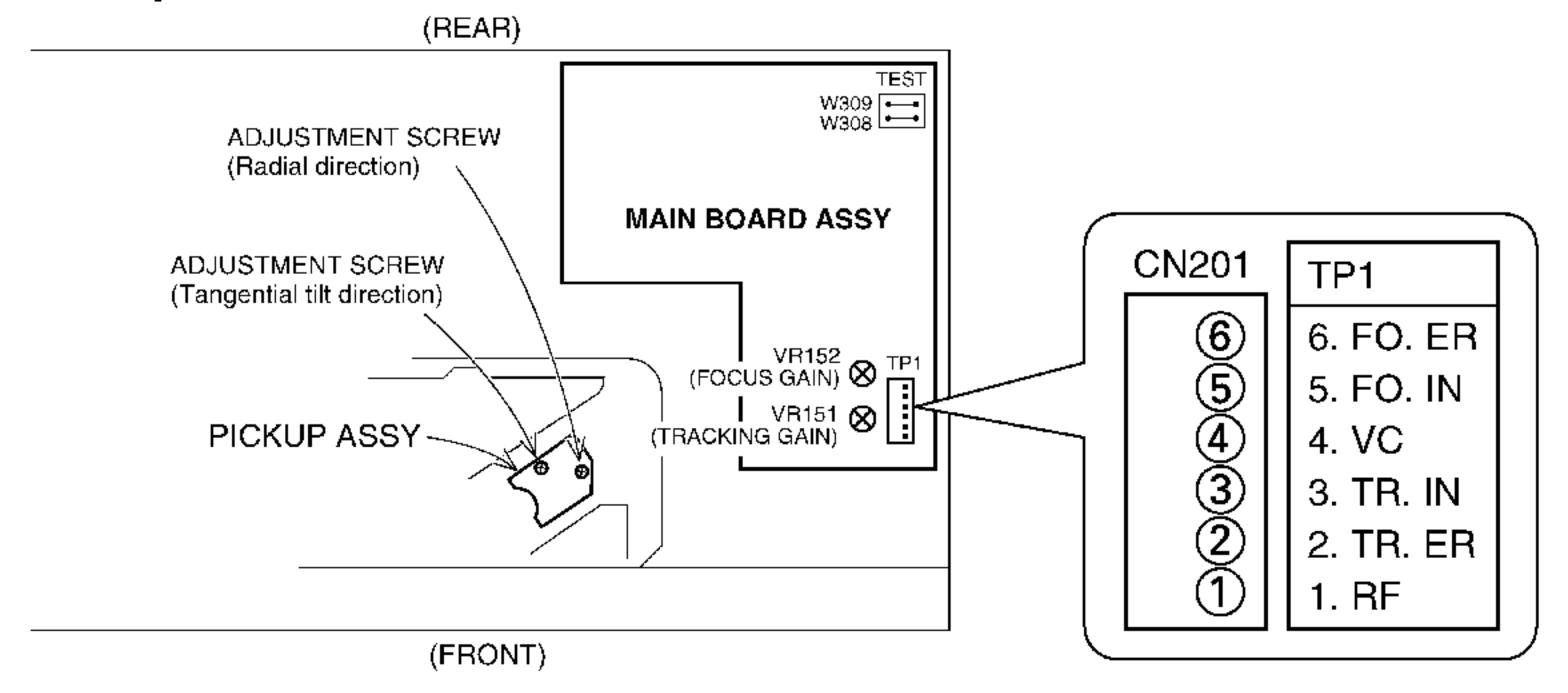
TEST MODE: PLAY



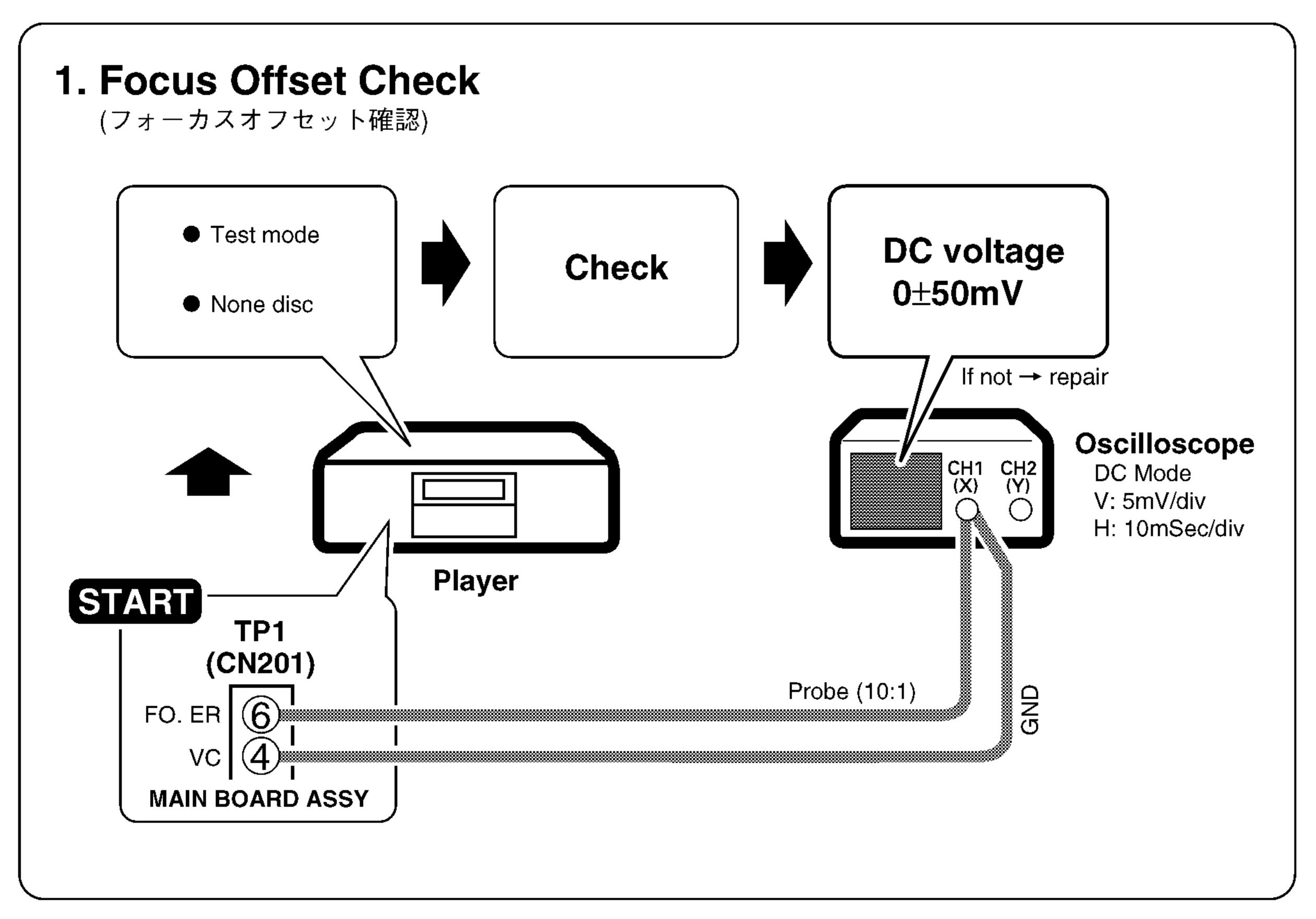
TEST MODE : STOP → CANCEL

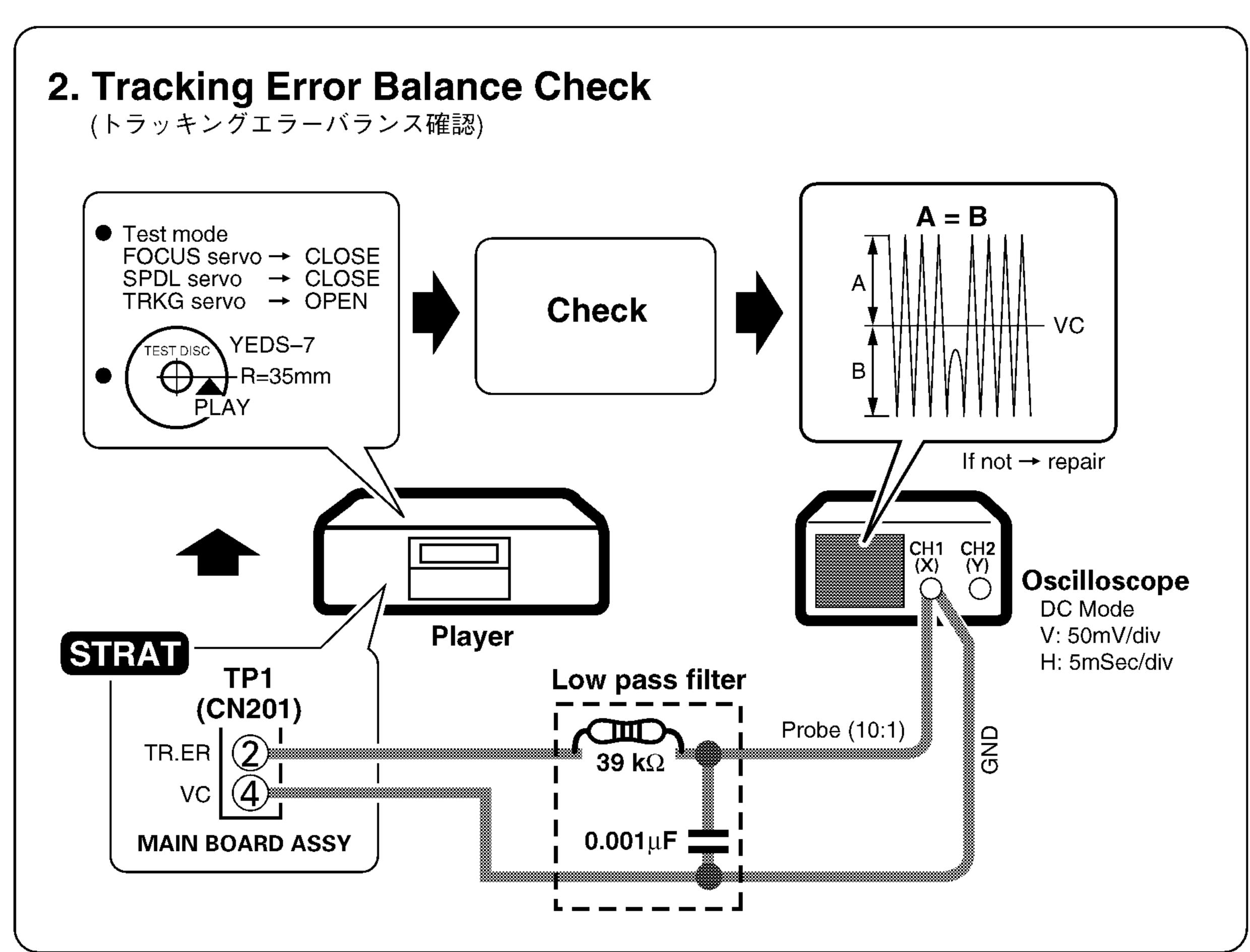


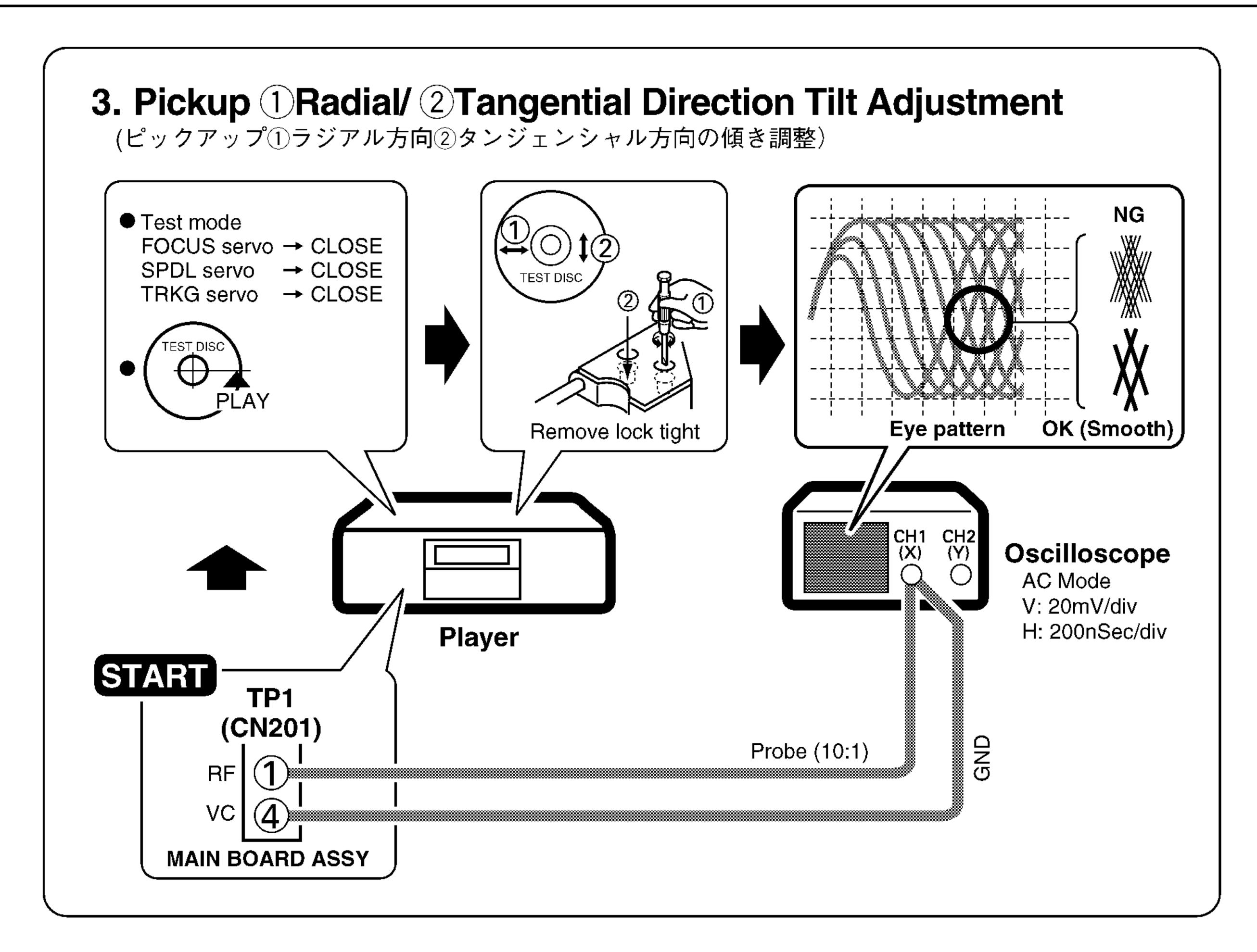
6.2.2 Adjustment Location (テストポイントと調整用VRの位置)

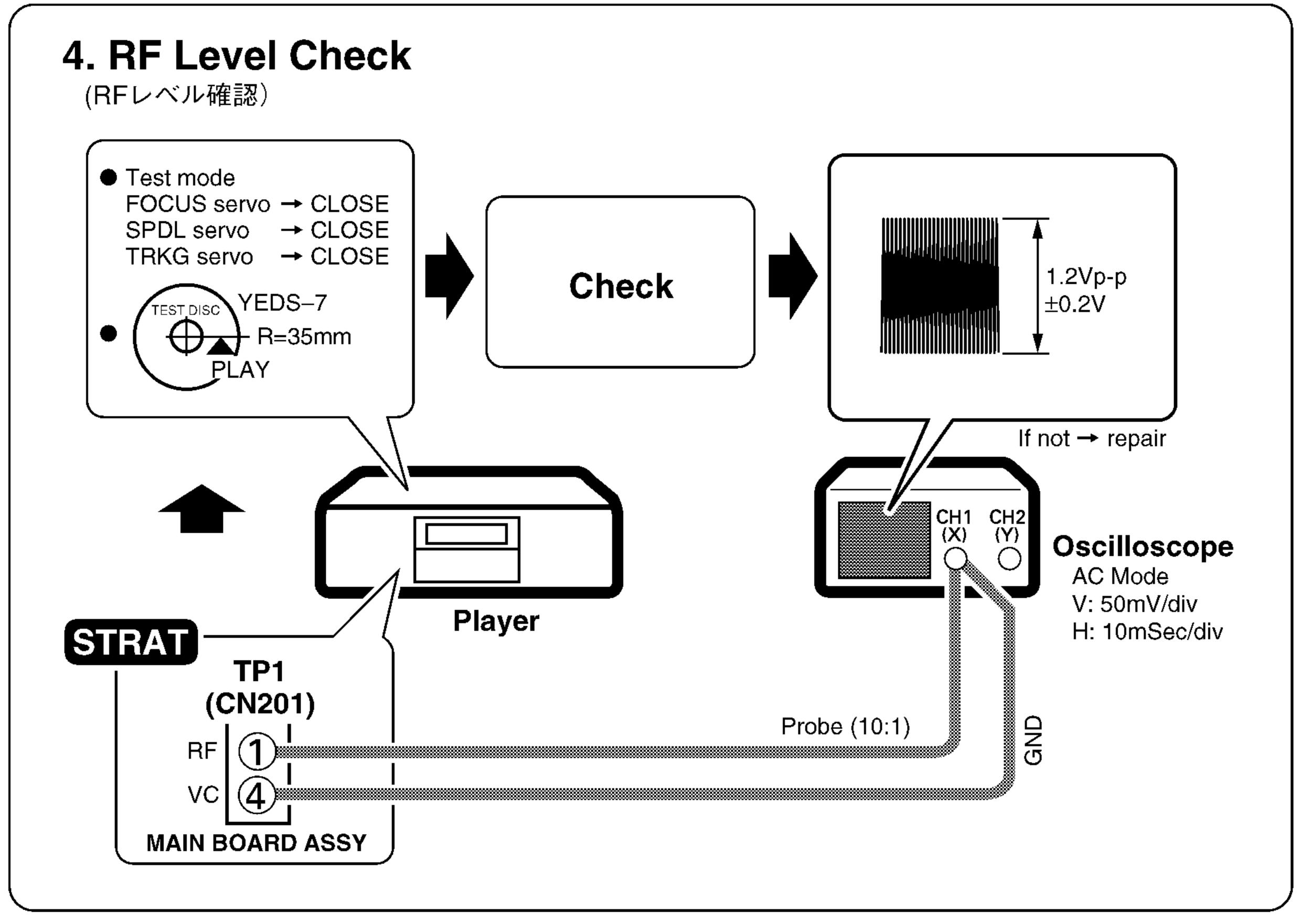


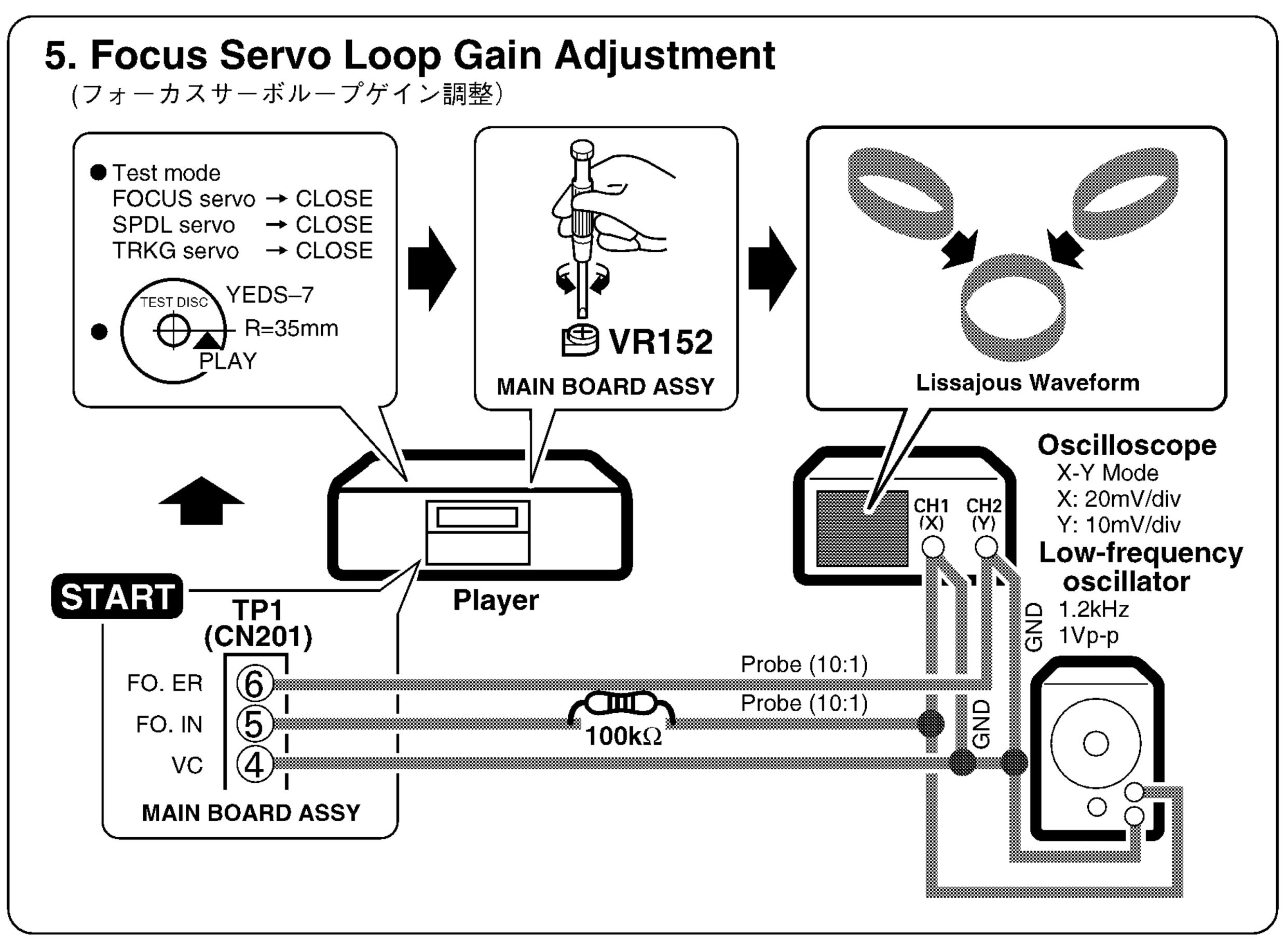
6.2.3 Check and Adjustment (確認、調整)

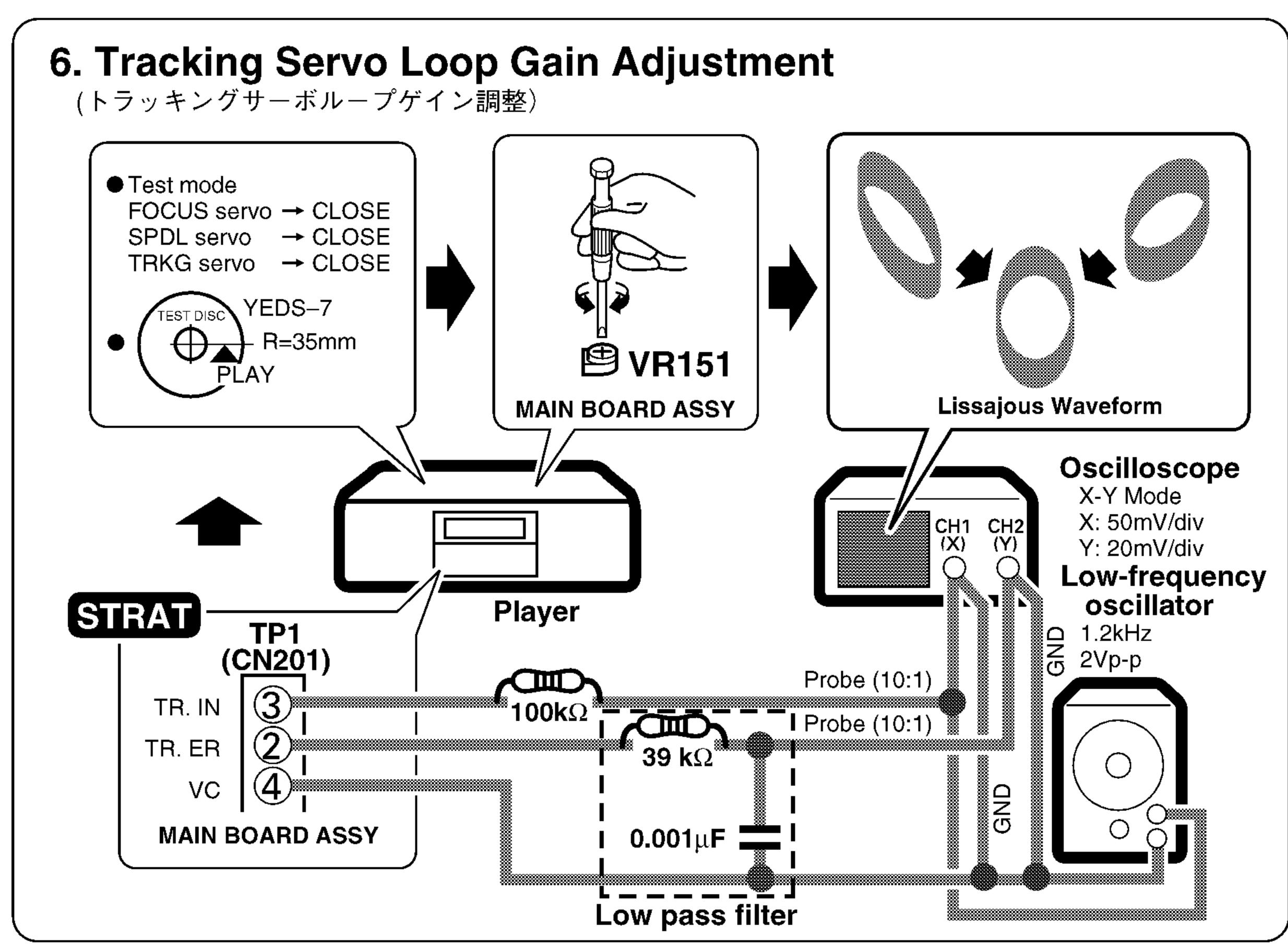












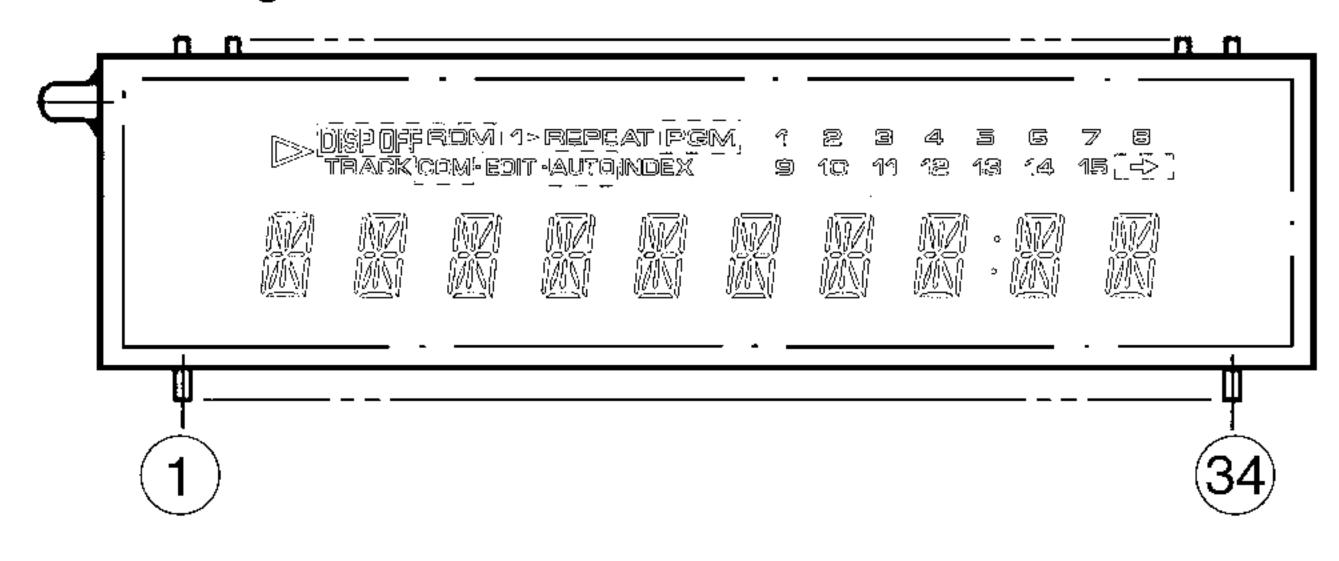
7. GENERAL INFORMATION

7.1 DISPLAY

■ PEL1094 (V701: DISPLAY BOARD ASSY)

■ FL INDICATOR TUBE

Pin Assignment

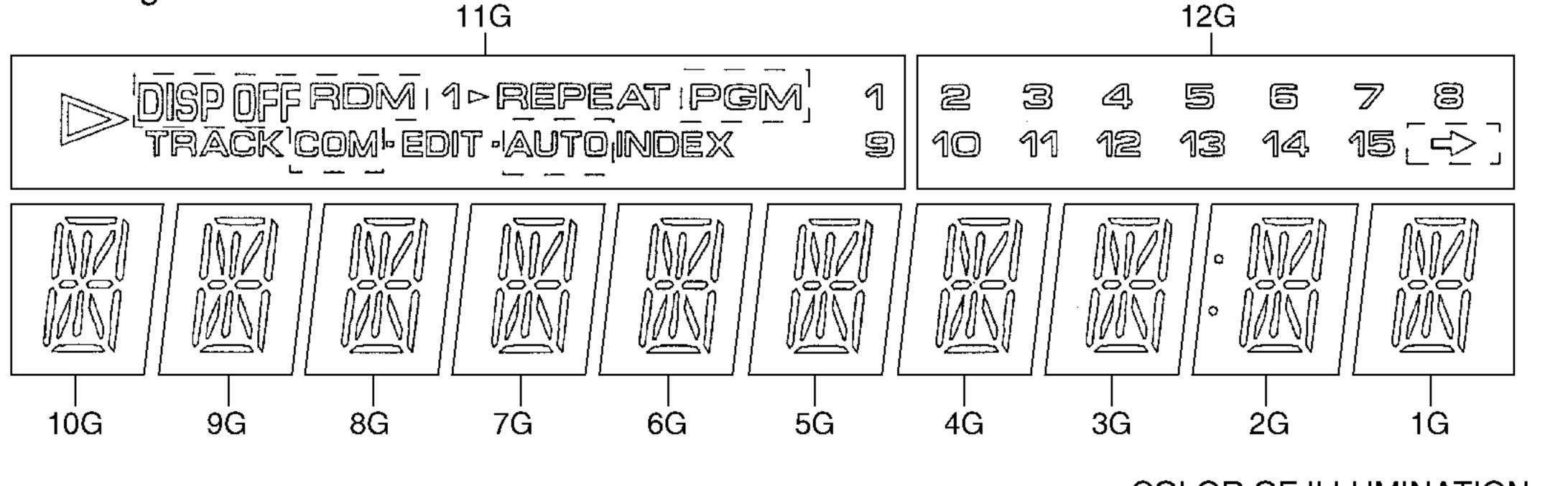


NOTE 1) F1, F2--Filament
2) NP----No pin
3) NX----No extend pin
4) DL----Datum Line
5) 1G~12G--Grid

Pin Connection

PIN NO.		23	3 4	5	6	7 8	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10	4	7	1 3	1	الحسو	1 6	1 1 7 E	19	20	2	20	2	<u> </u>	2	2	28	29	30	ゴ 1	32	33	34
CONNECTION	F 1	= N	11 2 3 5	11 1		9 8 3 G	11	തയ		4	쥙	\leq	1 G		VF X 1			P 4	'	•	7		P 1 0	1	1	1	1	N P	2	F 2

Grid Assignment



COLOR OF ILLUMINATION

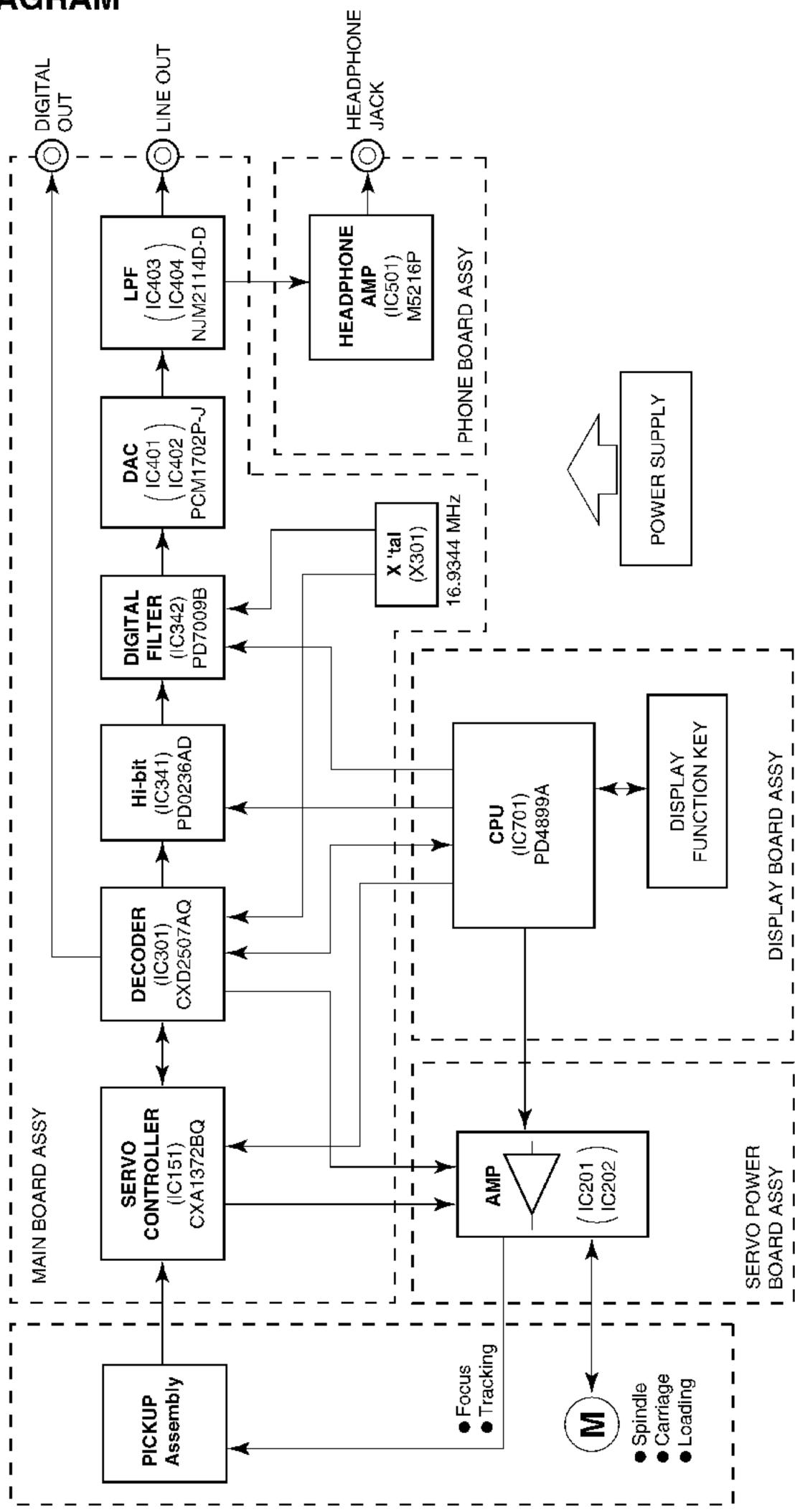
Other..... Green

Anode Connection

	12G	11G	10G–3G	2G	1G
P1	(A)		r	r	r
P2	3	(f)	h	h	h
Р3	4		a	а	а
P4	5	DISP OFF	b	b	b
P5	(a)	RCM	С	С	С
P6	7	REPEAT	d	d	d
P7	69	1 >	е	е	е

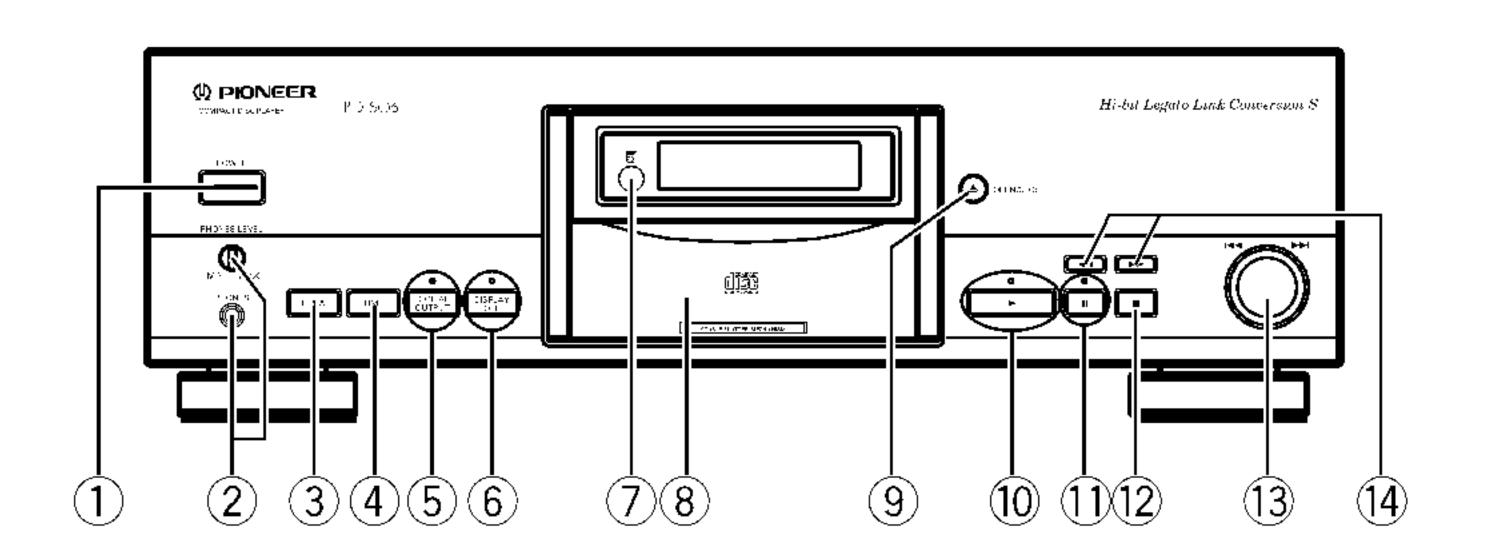
	12G	11G	10G-3G	2G	1G
P8	10		f	f	f
P9	11	PGM	g	g	g
P10	12	TRACK	m	m	m
P11	13	COM	j, p	j, p	j, p
P12	14	- EDIT -		col	
P13	15	AUTO	k	k	k
P14			n	n	n

7.2 BLOCK DIAGRAM



8. PANEL FACILITIES AND SPECIFICATIONS

■ PANEL FACILITIES

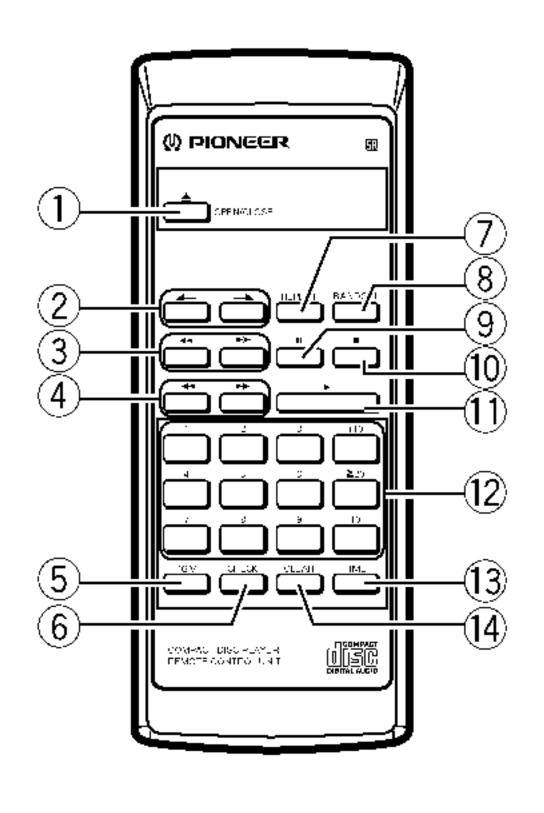


FRONT PANEL

- 1) POWER switch
- 2 PHONES jack and PHONES LEVEL knob
- (3) REPEAT button
- 4 TIME button
- (5) DIGITAL OUTPUT button and indicator
- (6) DISPLAY OFF button and indicator
- 7 Remote sensor

Receives the signal from the remote control unit.

- 8 Disc tray
- 9 OPEN/CLOSE button (▲)
- ① Play button (►) and indicator
- 11) Pause button (II) and indicator
- (12) Stop button (■)
- 13 Track search knob (I◄◄/►►I)
- (14) Manual search buttons (◄◄/▶►)



REMOTE CONTROL UNIT

Remote control buttons with the same names or marks as buttons on the front panel of the player control the same operations as the corresponding front panel buttons.

- 1) OPEN/CLOSE button
- 2 Index search buttons (—/—)
- ③ Manual search buttons (◄◄/▶►)
- 4 Track search buttons (►<-/>
- 5 PGM (program) button
- 6 CHECK button
- 7 REPEAT button
- **8** RANDOM button
- 9 Pause button (II)
- ① Stop button (■)
- ① Play button (►)
- 12 Track number/Digit buttons (1 10, +10, ≥ 20)
- 13 TIME button
- (14) CLEAR button

■ SPECIFICATIONS

1. General

Type	Compact disc digital audio system
Power requirements	AC 220 - 230 V, 50/60 Hz
Power consumption	19 W
	+5°C - +35°C
Weight	10 kg
	420 (W) x 374.3 (D) x 128 (H) mm

2. Audio section

Frequency response	2 Hz - 20 kHz
	113 dB or more (EIAJ)
Dynamic range	100 dB or more (EIAJ)
Harmonic distortion	0.0018% or less (EIAJ)
Output voltage	
· •	Limit of measurement
	(±0.001% W.PEAK) or less (EIAJ)
Channels	

3. Output terminal

Audio line output jacks
Optical digital output jack
Coaxial digital output jack
Phones output jack
CD-DECK SYNCHRO jack

4. Input terminal

AC inlet jack

5. Accessories

•	Remote control unit	1
•	AAA/R03 dry cell batteries	2
•	Output cable	1
•	Power cord	1
•	Operating instructions	1

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.